TC-WE425/WE525/ WR681

SERVICE MANUAL

US Model
TC-WE425/WR681
Canadian Model
TC-WE425
AEP Model
TC-WE525/WR681
UK Model
TC-WE525
E Model
Australian Model
TC-WE425/WR681
Chinese Model
TC-WE425

Photo: TC-WE425

Dolby noise reduction extension manufactured under license from Dolby Laboratories Licensing Corporation.
HX Pro originated by Bang & Olufsen. “DOLBY”, the double-D symbol □□ and “HX PRO” are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism		NEW
Tape Transport Mechanism Type	DECK A	TCM-230ASR1
	DECK B	TCM-230ASR2

SPECIFICATIONS

System

Recording system
4-track 2-channel stereo

Fast-winding time (approx.)
100 sec. (with Sony C-60 cassette)

Bias
AC bias

Signal-to-noise ratio (at peak level and weighted with Dolby NR off)
Type I tape, Sony Type I (NORMAL): 55 dB
Type II tape, Sony Type II (HIGH): 57 dB
Type IV tape, Sony Type IV (METAL): 58 dB

S/N ratio improvement (approximate values)
With Dolby B NR on: 5 dB at 1 kHz, 10 dB at 5 kHz
With Dolby C NR on: 15 dB at 500 Hz, 20 dB at 1 kHz

Harmonic distortion
0.4% (with Type I tape, Sony Type I (NORMAL): 160 nWb/m 315 Hz, 3rd H.D.)
1.8% (with Type IV tape, Sony Type IV (METAL): 250 nWb/m 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)

Tape type	
Type I tape, Sony Type I (NORMAL)	30-16,000 Hz (±3 dB, IEC), 20-17,000 Hz (±6 dB)
Type II tape, Sony Type II (HIGH)	30-17,000 Hz (±3 dB, IEC), 20-18,000 Hz (±6 dB)
Type IV tape, Sony Type IV (METAL)	30-19,000 Hz (±3 dB, IEC), 20-20,000 Hz (±6 dB),

Wow and flutter
± 0.15% W. Peak (IEC)
0.1% W. RMS (NAB)
± 0.2% W. Peak (DIN)

– Continued on next page –

STEREO CASSETTE DECK

MICROFILM

SONY

Inputs

Line inputs (phono jacks)
Sensitivity : 0.16 V
Input impedance : 47 kilohms

Outputs

Line outputs (phono jacks)
Rated output level : 0.5 V at a load impedance of 47 kilohms
Load impedance : Over 10 kilohms

Headphones (stereo phono jack) (TC-WE425/WE525 only)
Output level : 0.25 mW at a load impedance of 32 ohms

General

Power requirements

Where purchased	Power requirements
US, Canadian	120 V AC, 60 Hz
AEP, UK, Chinese	220 - 230 V AC, 50/60 Hz
Australian	240 V AC, 50/60 Hz
E, Singapore, Malaysia	120/220/230 - 240 V AC, 50/60 Hz

Power consumption
18 W

Dimensions (approx.) (w/h/d)
430 × 120 × 290 mm (w/h/d)
(17 × 4 3/4 × 11 3/8 in.)
including projecting parts and controls

Mass (approx.)
4 kg (8 lbs 13 oz)

Supplied accessories

Audio connecting cords (2 phono plugs - 2 phono plugs) (2)
CONTROL A1 cord (supplied for Canadian models only) (1)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers).
Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

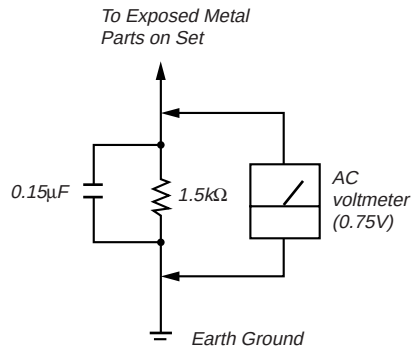


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

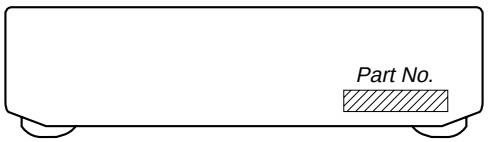
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

MODEL IDENTIFICATION

–Back panel–



Part No.	Model
3-021-244-0π	TC-WE425 : US model
3-021-244-1π	TC-WE425 : CND model
3-021-244-2π	TC-WE525 : AEP model
3-021-244-3π	TC-WE525 : UK model
3-021-244-4π	TC-WE425 : AUS model
3-021-244-5π	TC-WE425 : SP, MY model
3-021-244-6π	TC-WE425 : CH model
3-021-245-0π	TC-WR681 : US model
3-021-245-1π	TC-WR681 : AEP model
3-021-245-2π	TC-WR681 : E model
3-021-245-3π	TC-WR681 : AUS model
3-021-245-4π	TC-WR681 : SP model

• Abbreviation
CND : Canadian model
AUS : Austrarian model
SP : Singapore model
MY : Malaysia model
CH : Chinese model

TABLE OF CONTENTS

1. GENERAL
1-1. Location of Controls 4

2. DISASSEMBLY
2-1. Case 5
2-2. Front Panel Assy 5
2-3. Cassette Lid Assy (Deck A/B) 6
2-4. Mechanism Deck Assy (Deck A/B) 6
2-5. Leaf SW (A) board (Deck A),
Leaf SW (B) board (Deck B) 7
2-6. Pinch Lever (FWD)/(REV) Assy (Deck A/B) 8
2-7. Flywheel (FWD)/(REV) Assy (Deck A/B) 8
2-8. Mechanical Block Assy (Deck A/B) 9
2-9. Head Relay (PB) Board (Deck A),
Head Relay (REC) Board (Deck B) 9

3. MECHANICAL ADJUSTMENTS 10

4. ELECTRICAL ADJUSTMENTS 10

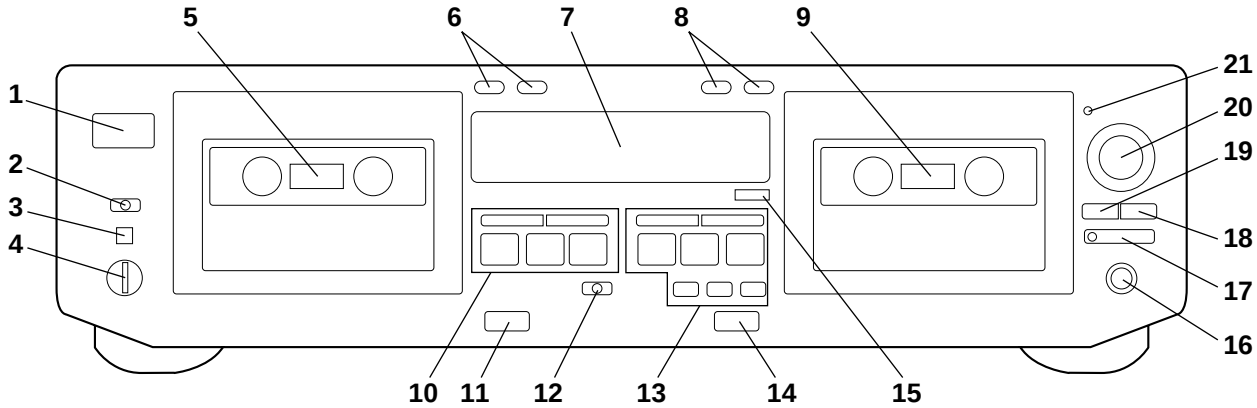
5. DIAGRAMS
5-1. IC Pin Description 14
5-2. Circuit Boards Location 16
5-3. Printed Wiring Boards –Main Section– 17
5-4. Schematic Diagram –Main Section (1/3)– 19
5-5. Schematic Diagram –Main Section (2/3)– 21
5-6. Schematic Diagram –Main Section (3/3)– 23
5-7. Printed Wiring Boards –Panel Section– 25
5-8. Schematic Diagram –Panel Section– 27
5-9. Printed Wiring Boards –Power Section– 29
5-10. Schematic Diagram –Power Section– 31
5-11. Printed Wiring Board –Deck A Section– 32
5-12. Schematic Diagram –Deck A Section– 32
5-13. Printed Wiring Board –Deck B Section– 33
5-14. Schematic Diagram –Deck B Section– 33

6. EXPLODED VIEWS
6-1. Case Section 34
6-2. Chassis Section 35
6-3. Cassette Holder Section 36
6-4. Front Panel Section 37
6-5. Tape Mechanism Section 38

7. ELECTRICAL PARTS LIST 39

SECTION 1
GENERAL

1-1. LOCATION OF CONTROLS

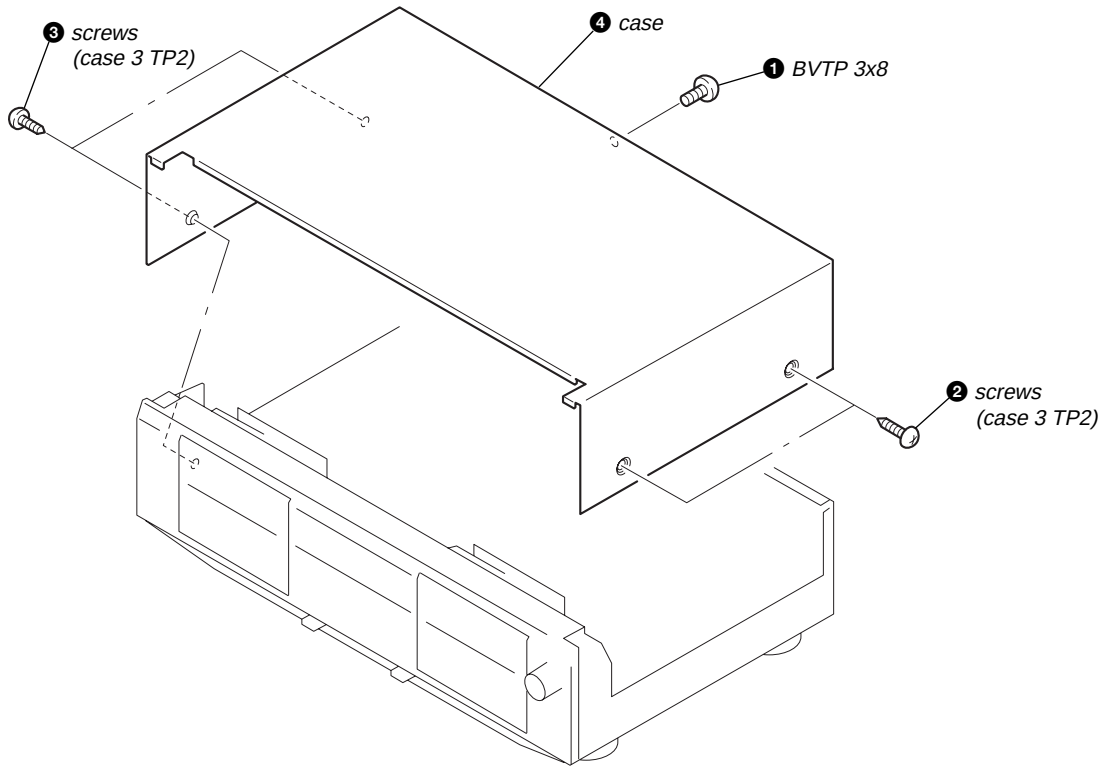


1. I/⏻ (Power) button (US, Canadian)
   ⏻ (Power) button (EXCEPT US, Canadian)
2. DIRECTION MODE switch
3. PITCH CONTROL (⎓ ON/⎍ OFF) switch (TC-WE525)
4. PITCH CONTROL knob (TC-WE525)
5. Cassette holder (Deck A)
6. COUNTER A buttons (Deck A)
   RESET button
   MEMORY button
7. Display window
8. COUNTER B buttons (Deck B)
   RESET button
   MEMORY button
9. Cassette holder (Deck B)
10. Tape operation buttons (Deck A)
    ◀◀ (REW) button
    ▶▶ (FF) button
    ■ CLEAR (Stop) button
    ◁ (Reverse play) button
    ▷ (Foward play) button
11. ⏏ (Eject) button (Deck A)
12. DOLBY NR switch
13. Tape operation buttons (Deck B)
    ◀◀ (REW) button
    ▶▶ (FF) button
    ■ (Stop) button
    ◁ (Reverse play) button
    ▷ (Foward play) button
    ❚❚ PAUSE button
    ○ REC MUTING button
    ● REC button
14. ⏏ (Eject) button (Deck B)
15. START (DECK B ❚❚) button
    HIGH/NORMAL, DUBBING A⟶B button
16. PHONES jack (TC-WE425/WE525)
17. SYNCHRO button and indicator (TC-WE425/WE525)
18. ARL button
19. FADER button
20. REC LEVEL knob
21. AUTO indicator

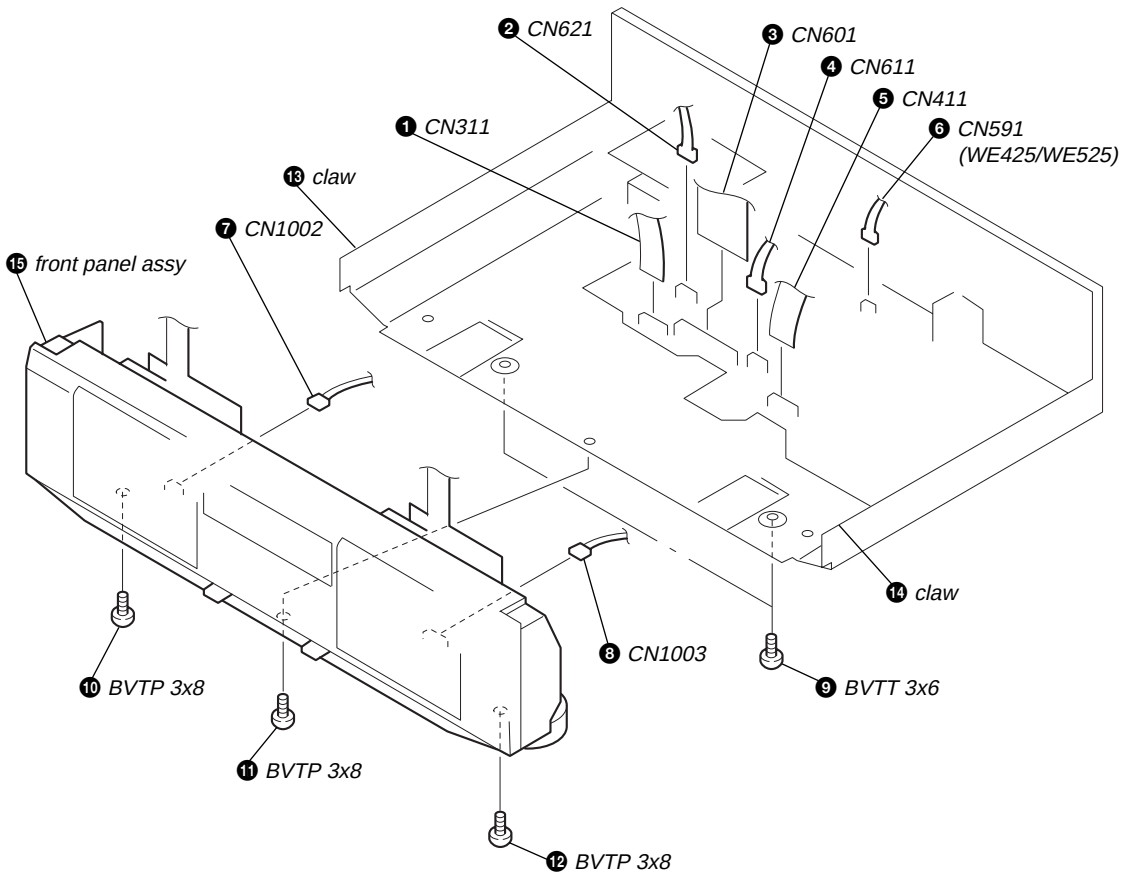
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

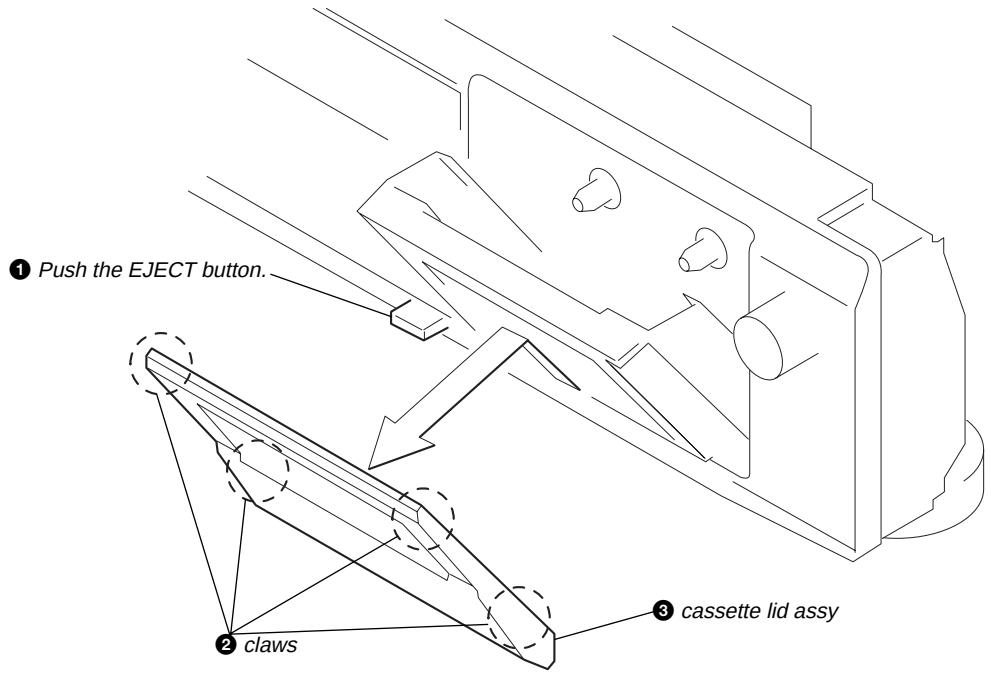
2-1. CASE



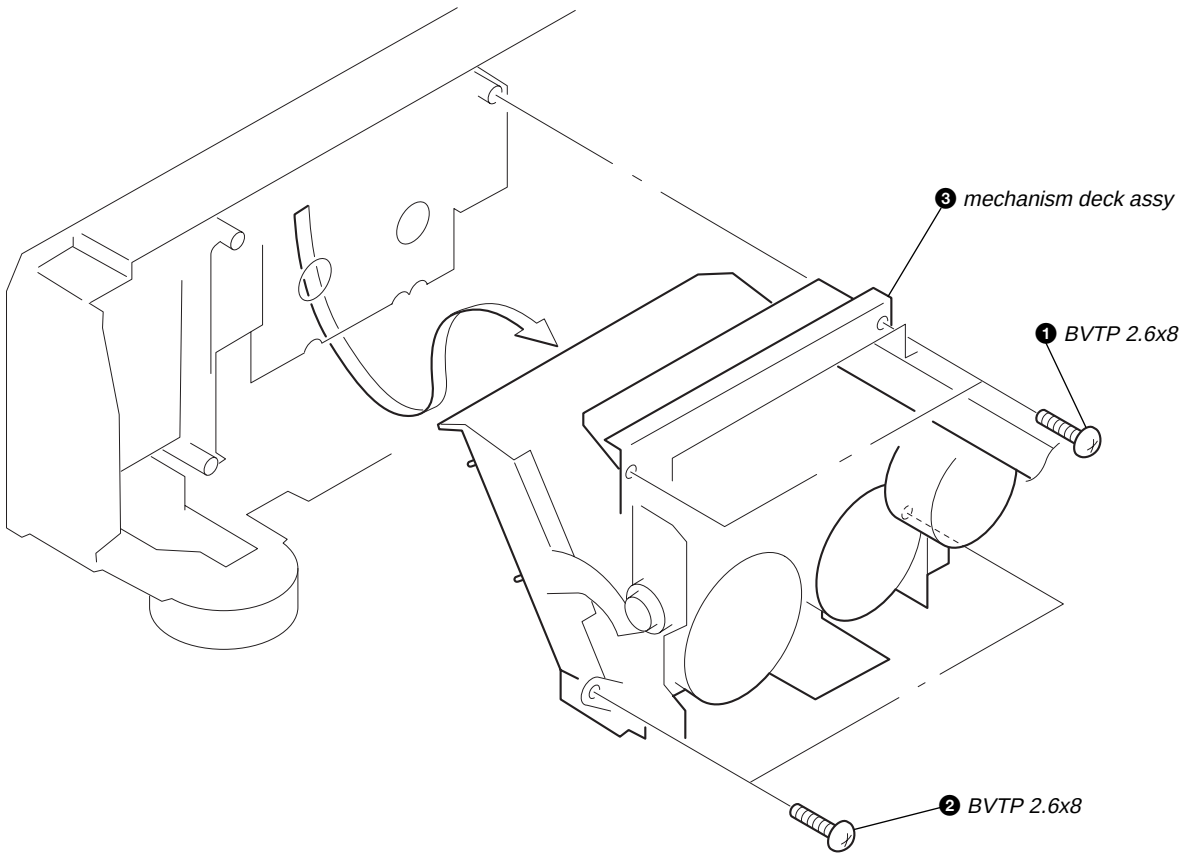
2-2. FRONT PANEL ASSY



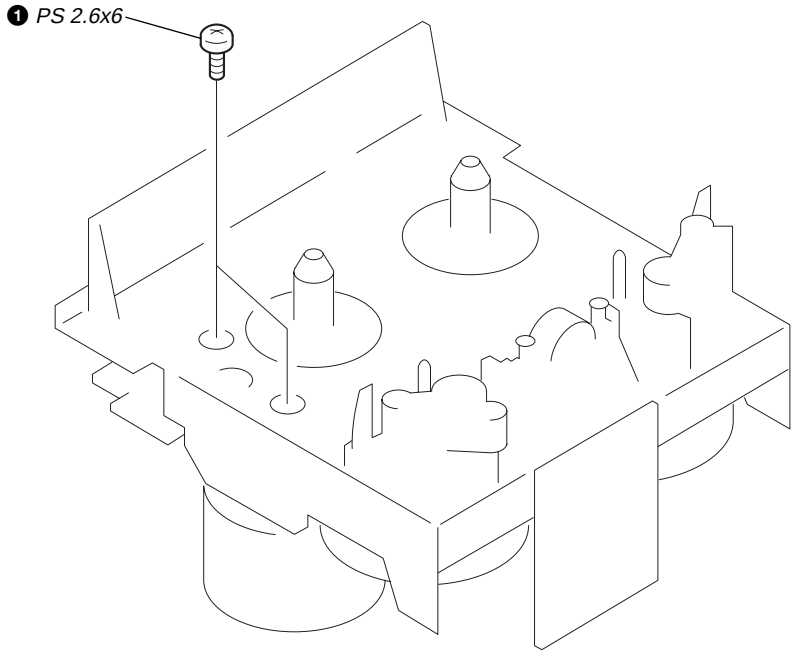
2-3. CASSETTE LID ASSY (DECK A/B)

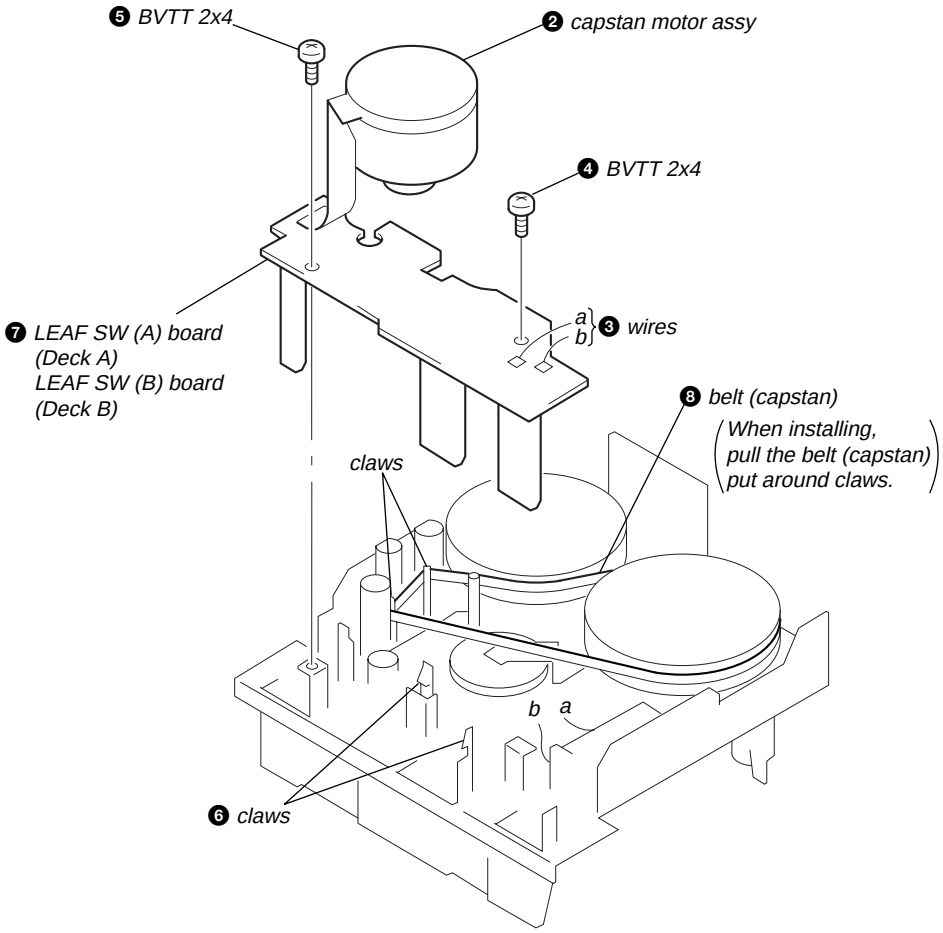


2-4. MECHANISM DECK ASSY (DECK A/B)

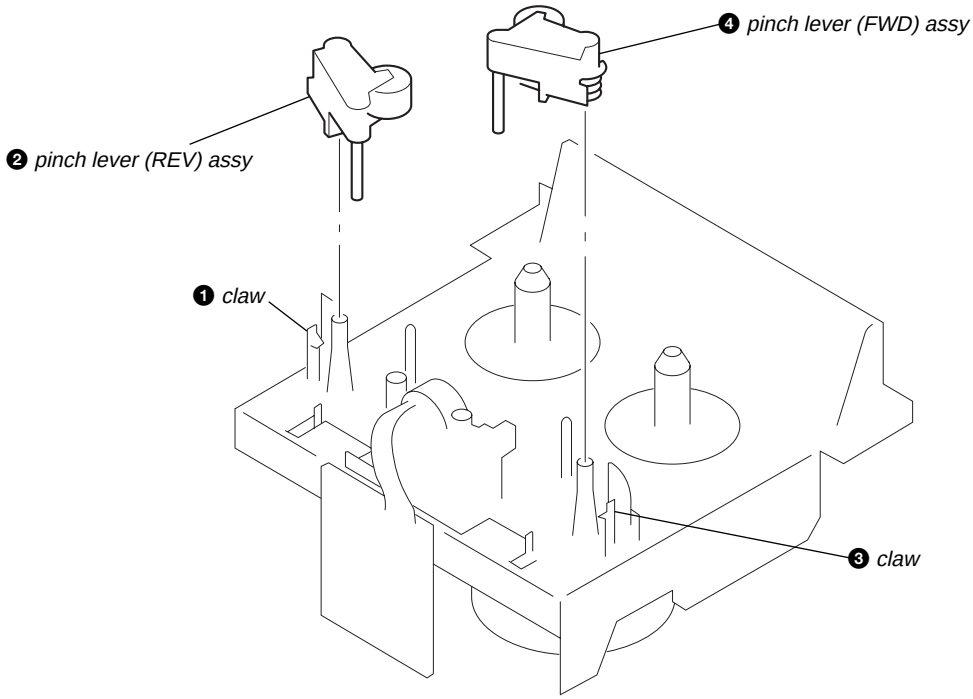


2-5. LEAF SW (A) BOARD (DECK A), LEAF SW (B) BOARD (DECK B)

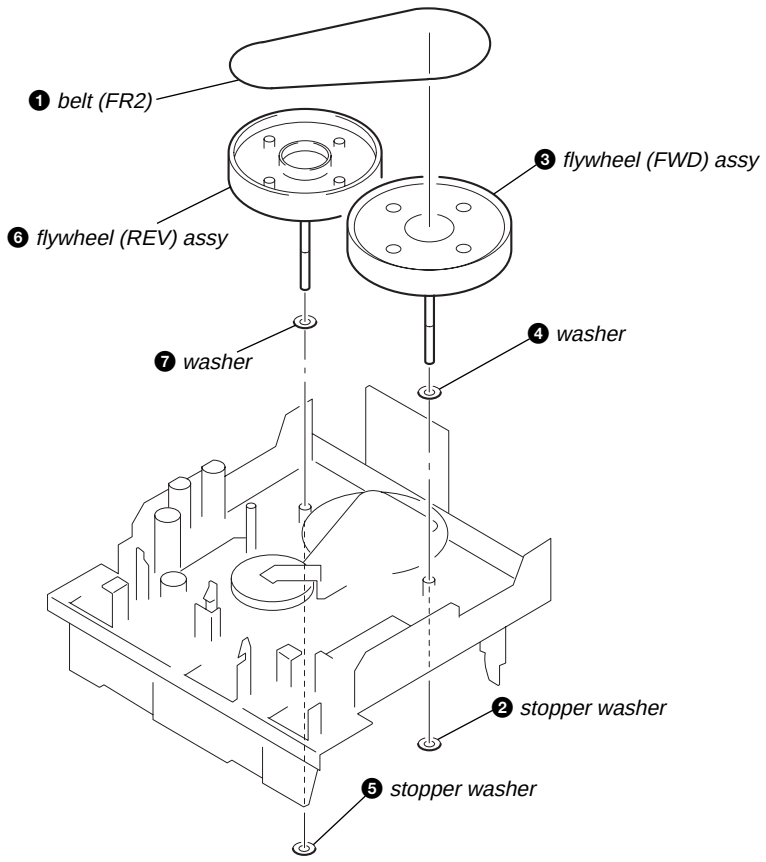




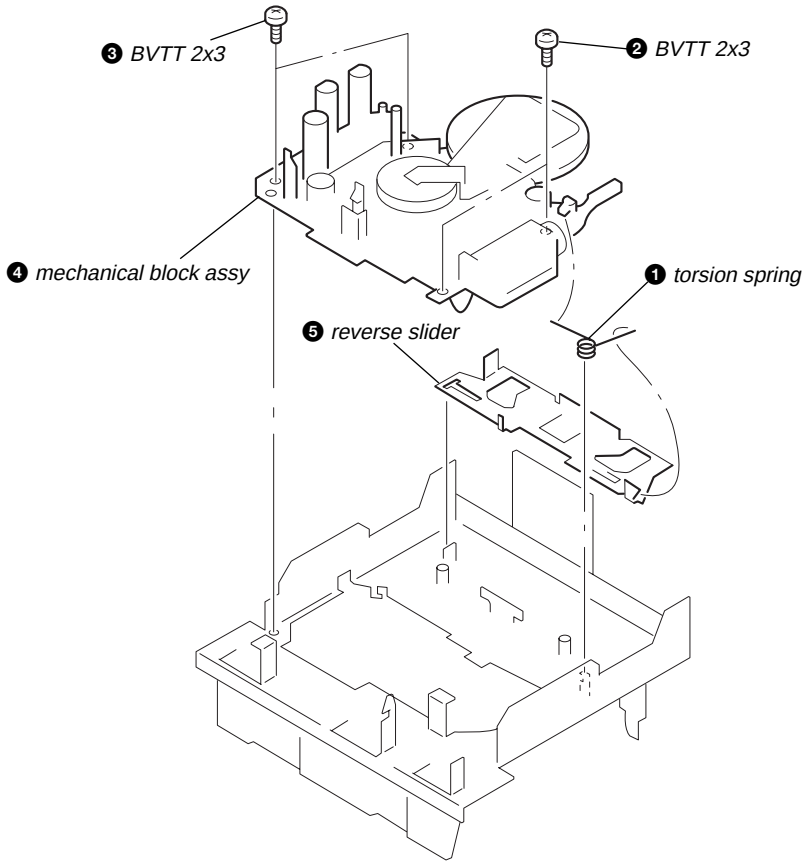
2-6. PINCH LEVER (FWD) / (REV) ASSY (DECK A/B)



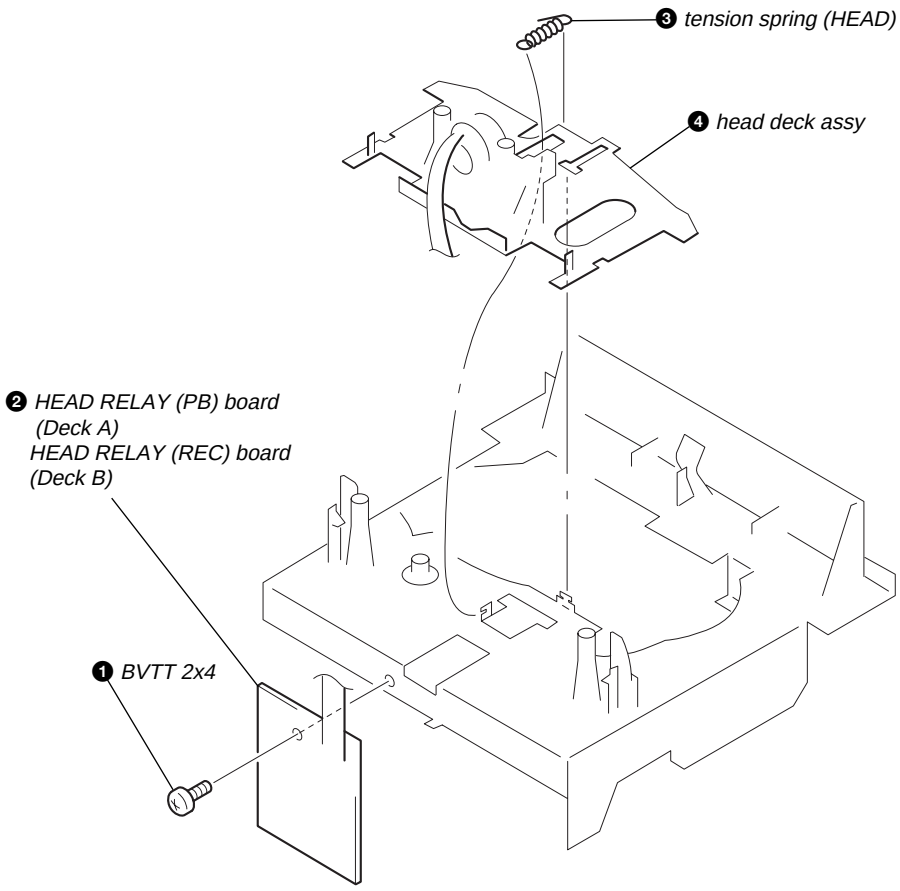
2-7. FLYWHEEL (FWD) / (REV) ASSY (DECK A/B)



2-8. MECHANICAL BLOCK ASSY (DECK A/B)



2-9. HEAD RELAY (PB) BOARD (DECK A), HEAD RELAY (REC) BOARD (DECK B)



SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   record/playback/erase head　　pinch roller
   rubber belts　　capstan
   idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustment.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

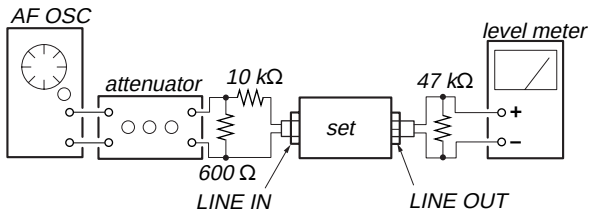
Mode	Torque meter	Meter reading
Forward	CQ-102C	30 to 65 g • cm (0.42 to 0.90 oz • inch)
Forward back tension	CQ-102C	DECK A : 1 to 6 g • cm (0.014 to 0.083 oz • inch) DECK B : 2 to 9 g • cm (0.028 to 0.125 oz • inch)
Reverse	CQ-102RC	30 to 65 g • cm (0.42 to 0.90 oz • inch)
Reverse back tension	CQ-102RC	1 to 6 g • cm (0.014 to 0.083 oz • inch)
FF/REW	CQ-201B	70 to 120 g • cm (0.97 to 1.67 oz • inch)

SECTION 4
ELECTRICAL ADJUSTMENTS

PRECAUTION

1. The adjustment should be performed in the publication. (Be sure to male playback adjustment at first.)
2. The adjustments and measurement should be performed for both L-CH and R-CH.
   • Switch position
   DOLBY NR switch　　: OFF
   DIRECTION MODE switch : ⇄
   • Standard record position :
   Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard output signal level as follows.

– Record Mode–



Standard Input Level

Input terminal	LINE IN
source impedance	10 kΩ
input signal level	0.5 V (–3.8 dB)

Standard Output Level

Output terminal	LINE OUT
load impedance	47 kΩ
output signal level	0.5 V (–3.8 dB)

Test Tape

Tape	Contents	Use
P-4-A100	10 kHz, –10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	PB Level Adjustment

0 dB = 0.775 V

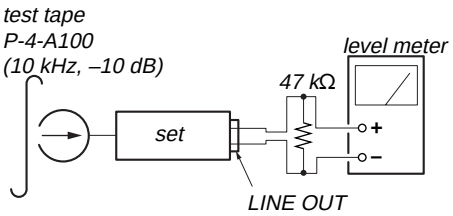
Test Mode

1. Turn ON power switch pressing “REC MUTING” and “▶▶” (FF) (DECK A) at the same time.
   At first, all the fluorescent indicator light up, then the system returns to normal display. (However, “0. 00” is not displayed on the counter.)
2. To release the test mode, turn OFF the power switch.

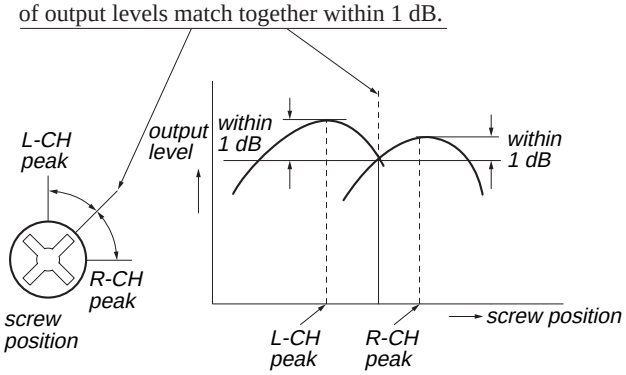
Record/Playback Head Azimuth Adjustment DECK A DECK B

Procedure:

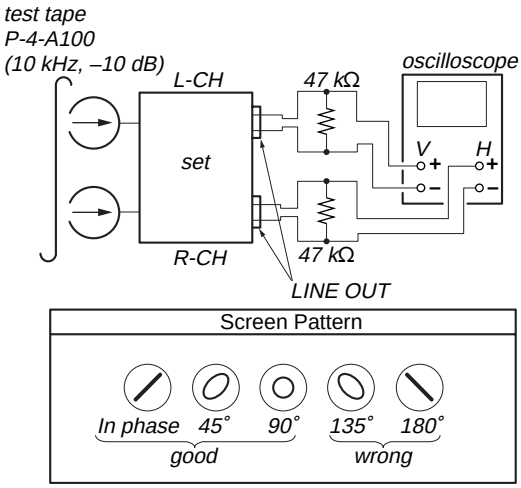
1. Forward Playback Mode



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.

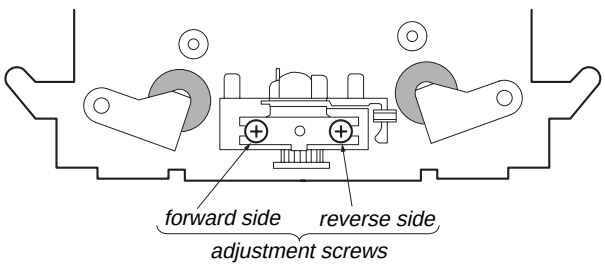


3. Playback Mode



4. Change the reverse playback mode and repeat the steps 1 to 3.
5. After the adjustment, lock the adjustment screws with suitable locking compound.

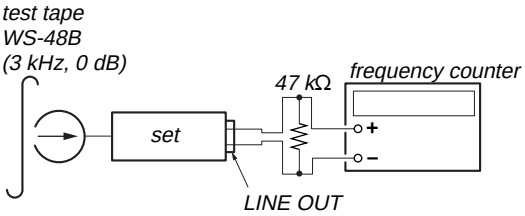
Adjustment Location: –record/playback head–



Tape Speed Adjustment DECK A DECK B

Procedure:

–Forward Playback Mode–



(High speed adjustment)

1. Set to test mode. (Refer to page 10.)
2. Set to FWD playback mode.
3. Twice pressing the HIGH/NORMAL switch.
4. Adjust RV316 (DECK A), RV416 (DECK B) so that the frequency counter reading becomes 5,980 ± 20 Hz.
5. Release test mode after adjustment is completed.

(Normal speed adjustment)

1. Set to FWD playback mode.
2. Adjust RV317 (DECK A), RV417 (DECK B) so that the frequency counter reading becomes 3,000 ± 10 Hz.

(Pitch control adjustment) (DECK A) (TC-WE525 only)

1. Push the PITCH CONTROL switch.
2. Set RV986 (PITCH CONTROL knob) to mechanical center.
3. Set to FWD playback mode.
4. Adjust RV318 so that the frequency counter reading becomes 2,990 ± 10 Hz.

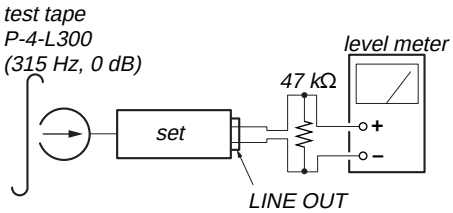
Frequency difference between the beginning and the end of the tape should be within ± 3%.
Frequency difference between the deck A and deck B the beginning of the tape should be within ± 1.5%.

Adjustment Location: MAIN board (See page 13.)

Playback Level Adjustment DECK A DECK B

Procedure:

–Forward Playback Mode–



Adjust DECK A : RV111 (L-CH), RV211 (R-CH) and
DECK B : RV121 (L-CH), RV221 (R-CH) so the level meter reading becomes the adjustment limits below.

Adjustment Value:

LINE OUT level : –7.7 ± 0.5 dB (0.301 to 0.338 V)

Level difference between channels : within 0.5 dB

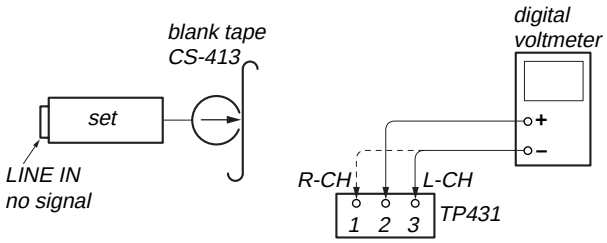
Confirm that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location: MAIN board (See page 13.)

Bias Consumption Current Adjustment DECK B

This adjustment should be performed when replacing the head assy or the bias oscillator transformer (T131, T231).

Procedure:



1. Connect the digital voltmeter to test point TP431.
2. Set RV131 (L-CH), RV231 (R-CH) to mechanical center.
3. Set to FWD record mode.
4. Adjust T131 (L-CH), T231 (R-CH) so that the digital voltmeter reading becomes minimum.

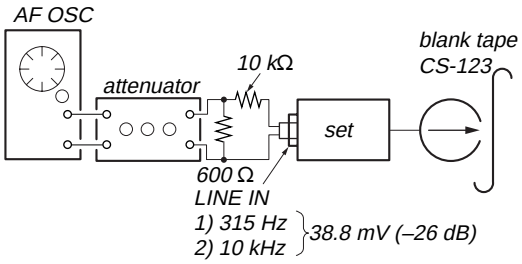
Adjustment Value: Maximum 220 mV

Adjustment Location: MAIN board (See page 13.)

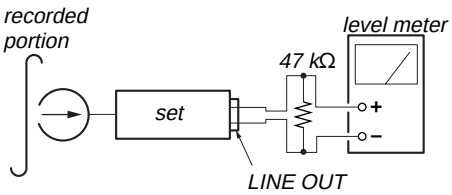
Record Bias Adjustment DECK B

Setting:
REC LEVEL control : standard record position (See page 10.)

Procedure:
1. Record Mode



2. Playback Mode



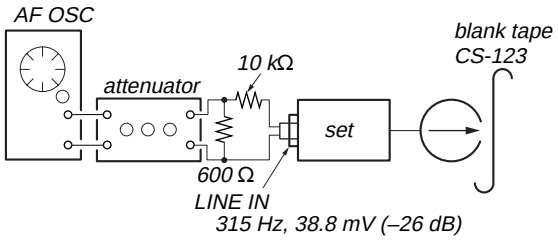
Confirm that the 10 kHz playback output is 0 ± 0.5 dB relative to the 315 Hz output. If necessary, adjust RV131 (L-CH), RV231 (R-CH) and repeat the steps given above.

Adjustment Location: MAIN board (See page 13.)

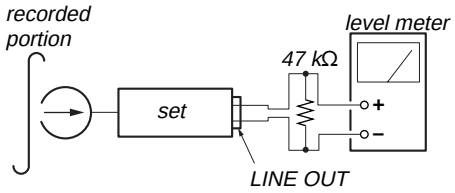
Record Level Adjustment DECK B

Setting:
REC LEVEL control : standard record position (See page 10.)

Procedure:
1. Record Mode



2. Playback Mode

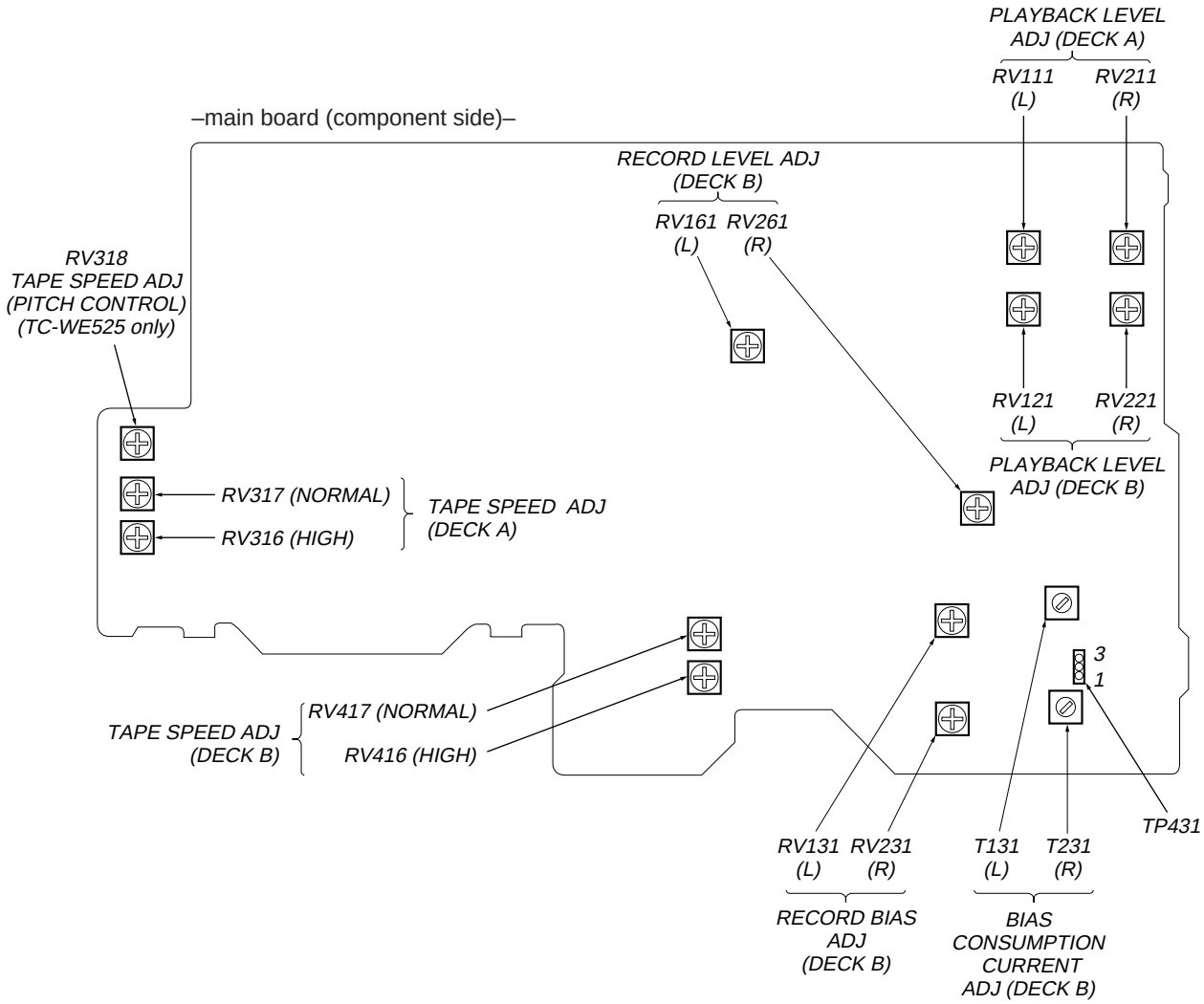


Confirm playback the tape recorded become adjustment level as follows.
If necessary, adjust RV161 (L-CH), RV261 (R-CH) and repeat the steps 1 and 2.

Adjustment Value:
LINE OUT level : –26 ± 0.5 dB (36.7 to 41.1 mV)

Adjustment Location: MAIN board (See page 13.)

Adjustment Location: main board



SECTION 5
DIAGRAMS

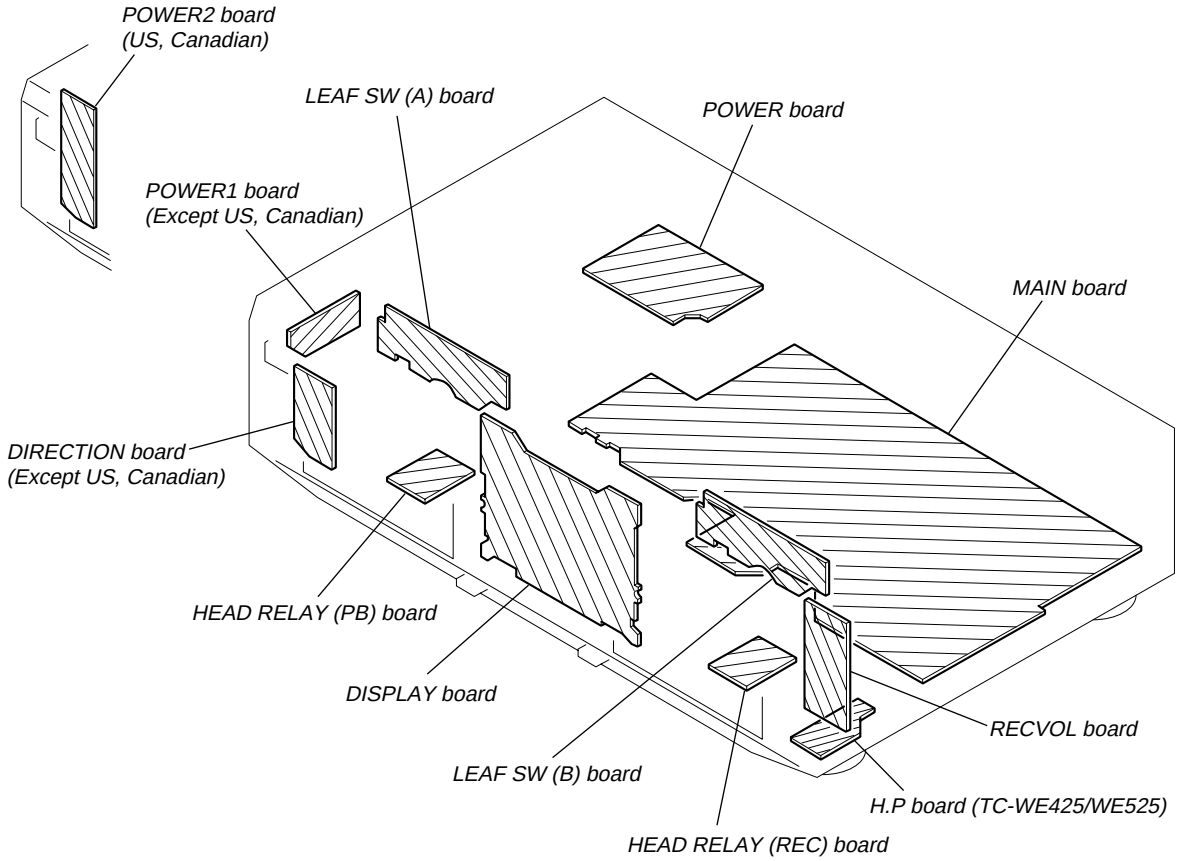
5-1. IC PIN DESCRIPTION

• IC801 CXP82220-051Q (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Pin Description
1	A-PLAY	I	Play switch input (DECK A)
2	POWER IN (CED)	I	Power-in detection input
3	—	—	Connected to ground.
4	SIRCS	I	Sircs signal input
5	—	—	Connected to ground.
6	RECVOLOUT	O	Record level control output (PWM)
7	—	—	Not used in this set.
8	BUSIN	I	Control A signal input
9	POWER OUT	O	Power hold output
10	POWER IN (U)	I	Power-in detection input
11	A-SHUT	I	Capstan motor rotation detection input (DECK A)
12	A-SHUMIT	I	Capstan motor rotation detection input (DECK A)
13	CAPM ($\overline{H}$/L)	O	Capstan motor high/normal select output “L”:ON
14	PITCH.CON	O	Pitch control ON/OFF output “L”:ON
15	—	—	Not used in this set.
16	BUSOUT	O	Control A signal output
17	$\overline{\text{LINE MUTE}}$	O	Line mute ON/OFF control output “L”:Mute ON
18	LPF	O	Low pass filter on output
19	$\overline{\text{RECMUTE}}$	O	Recording mute output “L”:Mute ON
20	$\overline{\text{B-BIAS}}$	O	Bias ON/OFF output (DECK B) “H”:ON
21	NR SW	O	Dolby selector “H”:C, “Open”:B, “L”:Dolby off
22	B-IV	I	Metal detection input (DECK B)
23	PB SELECT ($\overline{A}$/B)	I	Playback A/B selector input “L”:A, “H”:B
24	REC/PB	O	Record/playback dolby NR mode selector output “L”:Playback
25	PBEQ (HIGH/$\overline{\text{NORM}}$)	O	PB EQ high/normal select output “L”:Normal
26	$\overline{\text{NR}}$/MUTE/PASS	O	Audio selector “H”:Pass, “Open”:Mute, “L”:Dolby
27	AMSOFF/AMS/BS	O	AMS amp selector “H”:BS, “Open”:AMS, “L”:OFF
28	$\overline{\text{B-RELAY}}$	O	Relay record/playback selector output (DECK B) “L”:Record
29	B-SHUT	I	Capstan motor rotation detection input (DECK B)
30	B-SHUMIT	I	Capstan motor rotation detection input (DECK B)
31	B-PLAY	I	Play switch input (DECK B)
32	B-HALF	I	Half switch input (DECK B)
33	METER (L)	I	Meter L-CH input (A/D converter)
34	METER (R)	I	Meter R-CH input (A/D converter)
35	KEY3	I	Key 3 input (A/D converter)
36	KEY1	I	Key 1 input (A/D converter)
37	KEY2	I	Key 2 input (A/D converter)
38	RESET	I	System reset input
39	XIN	I	System clock oscillator input (10 MHz)
40	XOUT	O	System clock oscillator output (10 MHz)
41	VSS	—	Ground
42	—	—	Connected to ground.
43	—	—	Connected to ground.
44	KEY4	I	Key 4 input (A/D converter)
45	RECVOL IN	I	Record volume input (A/D converter)
46	—	—	Connected to power supply.
47	—	—	Connected to ground.
48 – 50	—	—	Not used in this set.
51	ARL (LED)	O	AUTO LED driver “H”:ON
52	SYNC (LED)	O	SYNCHRO LED driver “L”:ON
53, 54	—	—	Not used in this set.

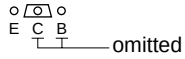
Pin No.	Pin Name	I/O	Pin Description
55	B-CAPM2	O	Capstan motor driver (DECK B)
56	B-CAPM3	O	Capstan motor driver (DECK B)
57	B-CAPM4	O	Capstan motor driver (DECK B)
58	B-CAPM1	O	Capstan motor driver (DECK B)
59	A-CAPM2	O	Capstan motor driver (DECK A)
60	A-CAPM1	O	Capstan motor driver (DECK A)
61	A-CAPM3	O	Capstan motor driver (DECK A)
62	A-CAPM4	O	Capstan motor driver (DECK A)
63 – 79	S17 – S1	O	Fluorescent indicator tube segment driver
80	—	—	Not used in this set.
81 – 87	G1 – G7	O	Fluorescent indicator tube grid driver
88	VEE	—	Fluorescent indicator tube power supply (-24 V)
89	VCC	—	Power supply (+5 V)
90	VREF	—	Connected to power supply.
91	AVSS	—	Ground
92 – 97	—	—	Not used in this set.
98	TRGAON/$\overline{\text{OFF}}$	O	Trigger control output (DECK A)
99	TRGBON/$\overline{\text{OFF}}$	O	Trigger control output (DECK B)
100	A-HALF	I	Half switch input (DECK A)

5-2. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

• For printed wiring boards.
- ○——— : parts extracted from the component side.
- ▒▒▒▒ : Pattern from the side which enables seeing.
- Transistor of "B" and "C" indication is omitted.



• For schematic diagrams.
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : fusible resistor.
- : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- B+ : B+ Line.
- B− : B– Line.
- : adjustment for repair.
- Voltage is dc with respect to ground under no-signal (detuned) condition.

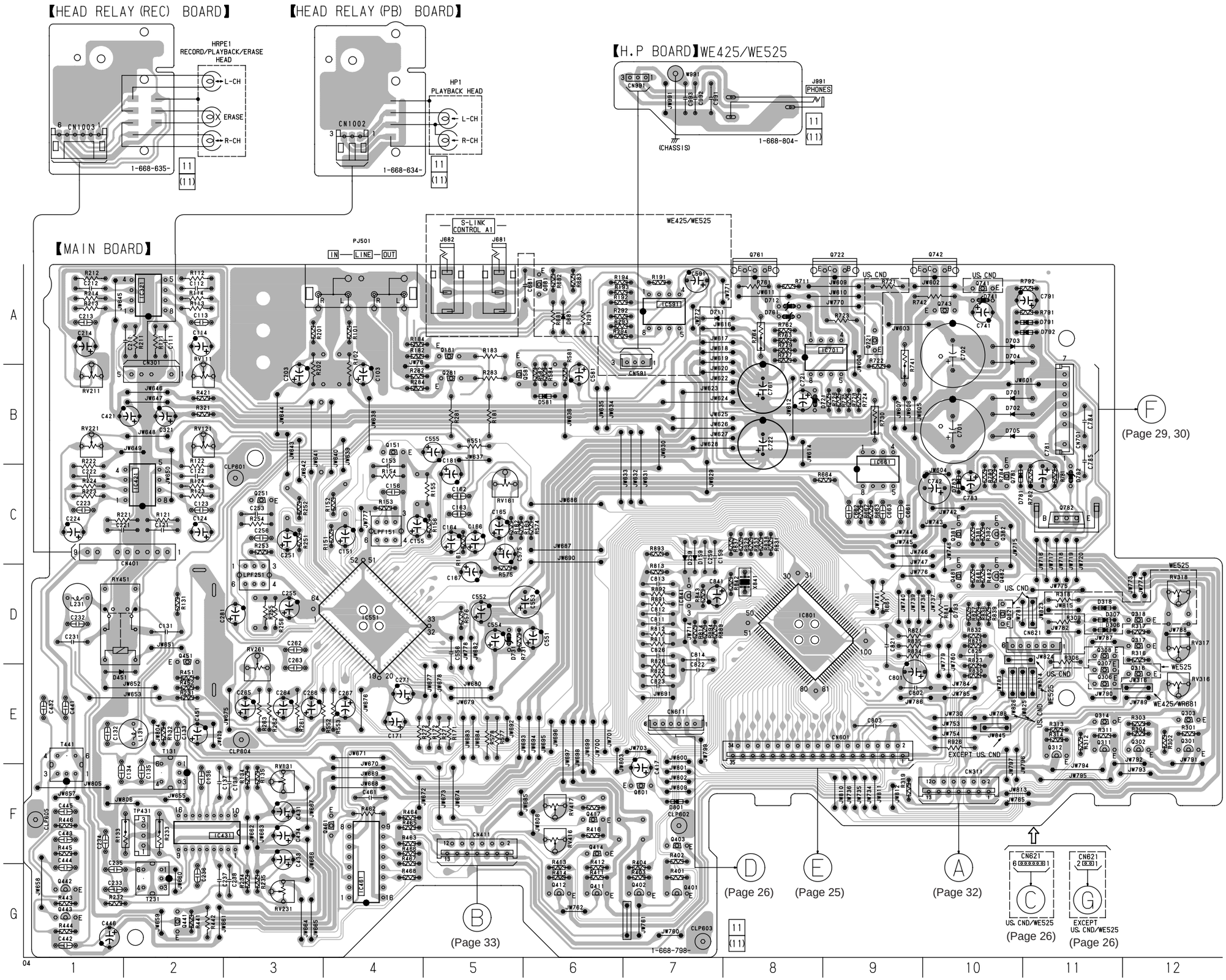
no mark : PB (DECK B)
( ) : REC (DECK B)
< > : PB (DECK A)
[ ] : STOP
∗ : Impossible to measure

- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : PB (DECK A)
  : PB (DECK B)
  : REC (DECK B)
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.
  SP : Singapore model.
  MY : Malaysia model.
  CH : Chinese model.

• **Semiconductor Location**

Ref. No.	Location
D159	C-7
D259	C-7
D306	D-11
D307	D-11
D318	D-11
D451	E-1
D581	B-6
D681	A-6
D701	B-10
D702	B-10
D703	A-10
D704	A-10
D705	B-10
D711	A-7
D712	A-8
D721	B-8
D731	D-5
D741	A-10
D761	A-8
D781	C-10
D782	C-11
D783	C-10
D791	A-11
D792	A-11
D793	D-10
D801	F-7
IC321	A-2
IC421	C-2
IC431	F-2
IC461	G-4
IC551	D-4
IC591	A-7
IC661	B-9
IC701	A-9
IC801	D-8
IC841	D-7
Q151	B-4
Q181	A-5
Q251	C-3
Q281	B-5
Q301	E-12
Q302	E-12
Q303	E-12
Q306	E-11
Q307	D-11
Q308	D-11
Q311	E-11
Q312	E-11
Q314	E-11
Q316	E-12
Q317	D-12
Q318	D-12
Q381	C-10
Q382	C-10
Q401	G-7
Q402	G-7
Q403	F-7
Q411	G-6
Q412	G-6
Q414	F-6
Q417	F-6
Q441	G-2
Q442	G-1
Q443	G-1
Q451	D-2
Q461	F-4
Q481	D-10
Q482	D-10
Q581	B-6
Q681	A-6
Q721	A-9
Q722	A-9
Q741	A-10
Q742	A-10
Q743	A-10
Q761	A-8
Q781	C-10
Q782	C-11
Q801	F-7
Q821	D-10

5-3. PRINTED WIRING BOARDS — MAIN SECTION —


【HEAD RELAY (REC) BOARD】
HRPE1
RECORD/PLAYBACK/ERASE HEAD
L-CH
ERASE
R-CH
CN1003
1-668-635-
【HEAD RELAY (PB) BOARD】
HP1
PLAYBACK HEAD
CN1002
1-668-634-
【H.P BOARD】WE425/WE525
CN991
W991
J991
PHONES
(CHASSIS)
1-668-804-
【MAIN BOARD】
PJ501
IN — LINE — OUT
S-LINK CONTROL A1
J682
J681
WE425/WE525
CN591
IC591
IC551
IC801
IC701
IC661
IC431
CN301
CN401
CN601
CN611
CN621
CN311
CN411
CN481
LPF151
LPF251
TP431
T131
T231
T441
RV111
RV121
RV131
RV161
RV211
RV221
RV231
RV261
RV316
RV317
RV318
RV451
X841
Q761
Q722
Q742
Q741
Q743
Q782
Q801
Q821
Q781
Q721
Q151
Q251
Q281
Q451
Q581
Q681
Q481
Q461
Q441
Q401
Q402
Q403
Q411
Q412
Q414
Q417
Q442
Q443
Q301
Q302
Q303
Q306
Q307
Q308
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Q314
Q316
Q317
Q318
Q381
Q382
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D801
D306
D307
D318
D701
D702
D703
D704
D705
CLP601
CLP602
CLP603
CLP604
CLP605
CLP804
C581
C591
C701
C741
C761
C781
C784
C785
C801
C841
C851
C861
C881
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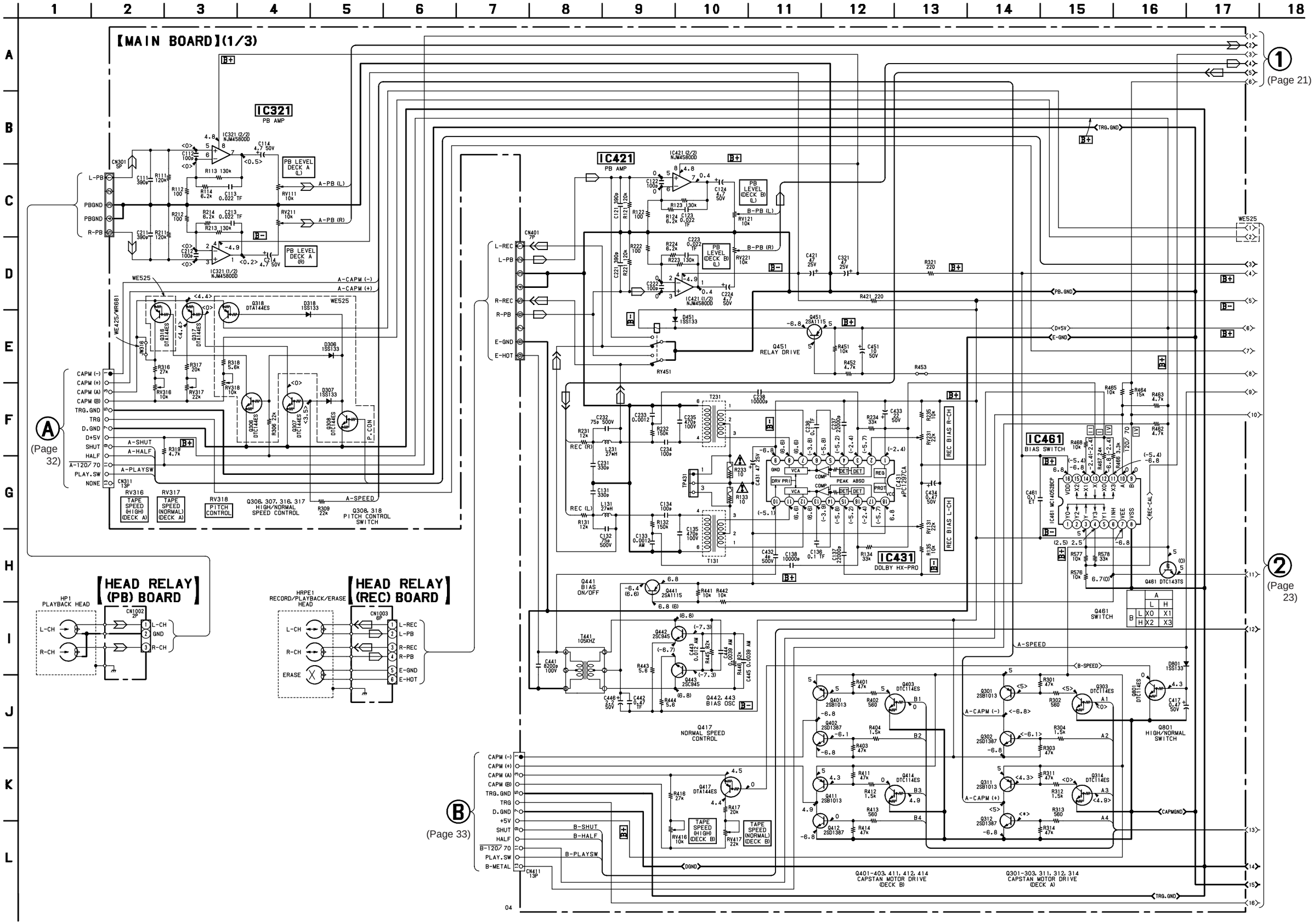
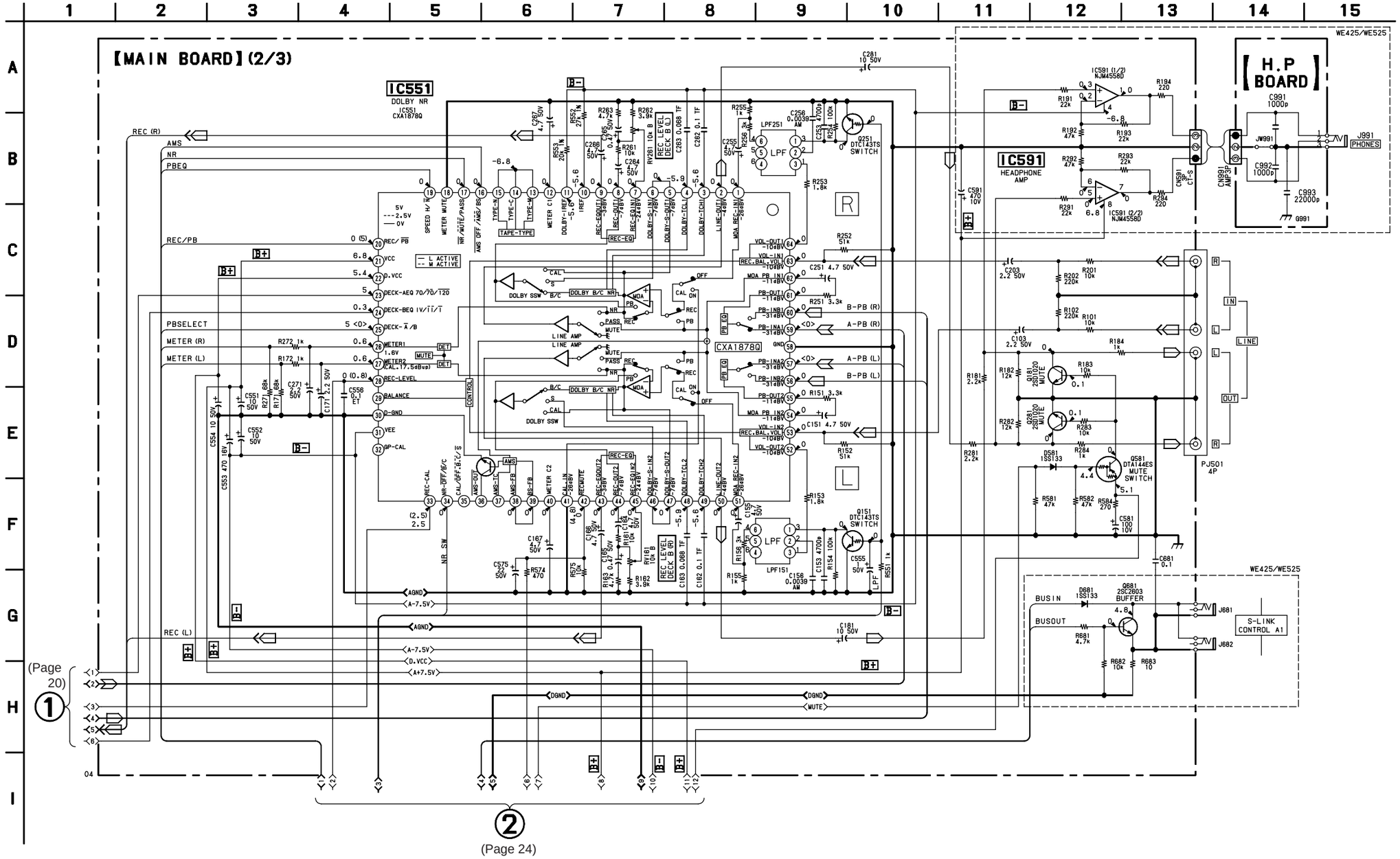
C939
C940

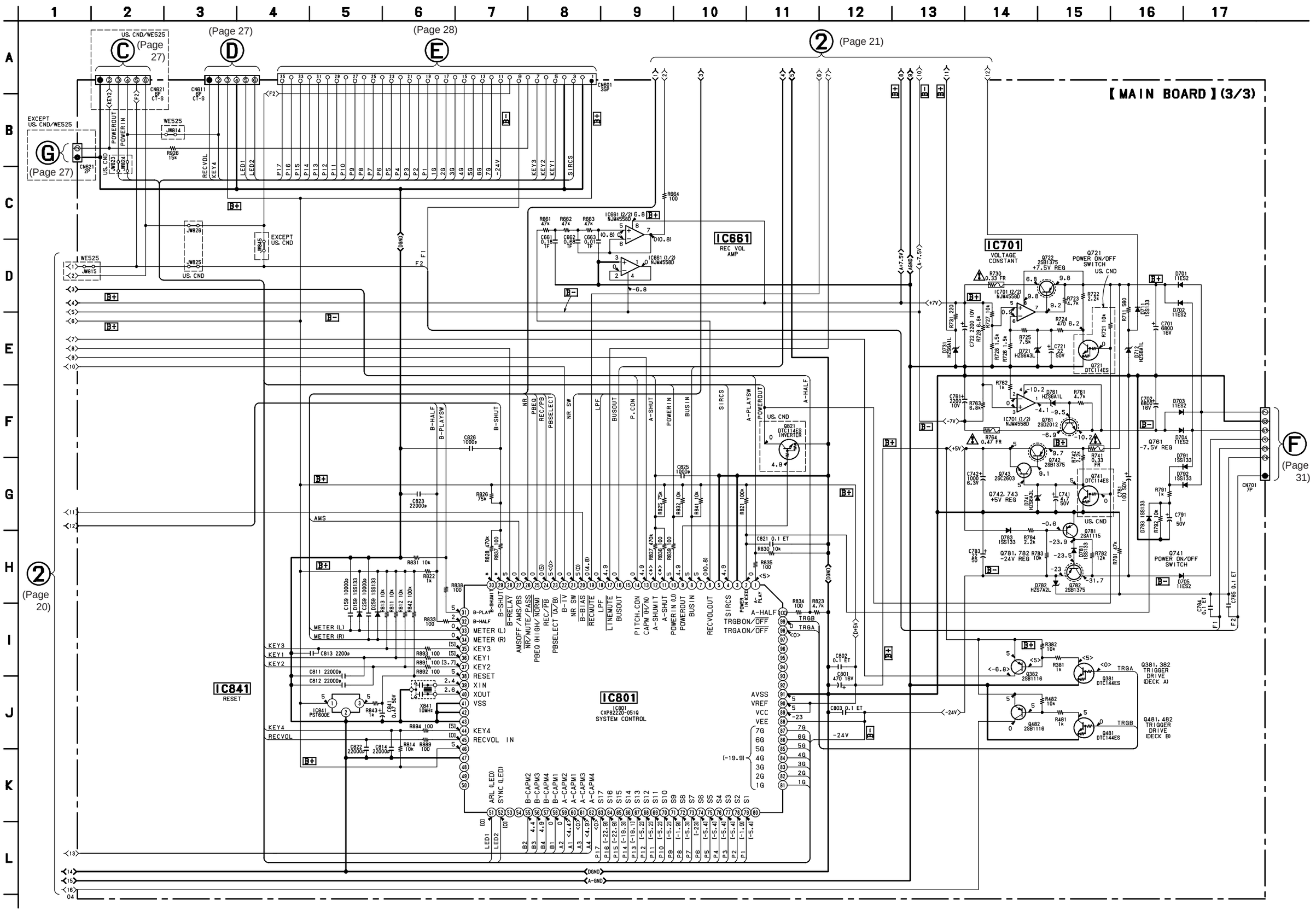
5-4. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —



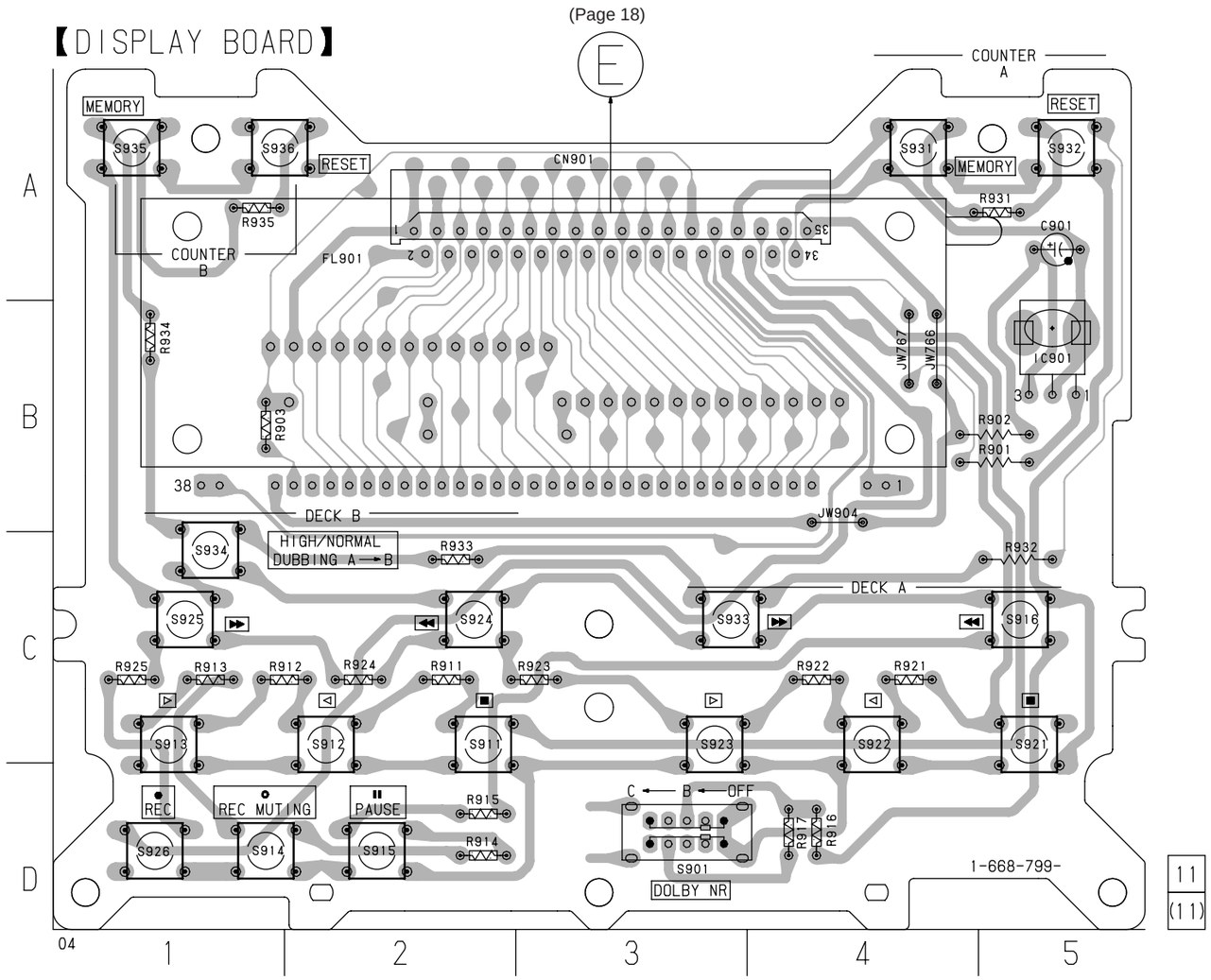
5-5. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) —

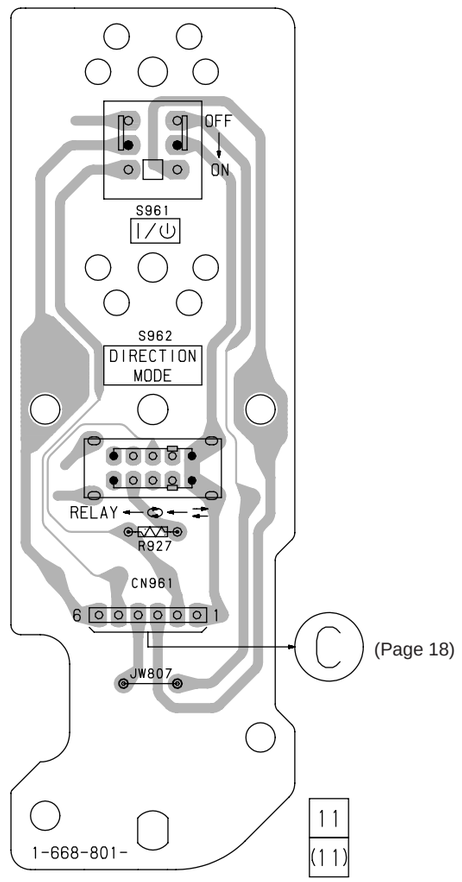


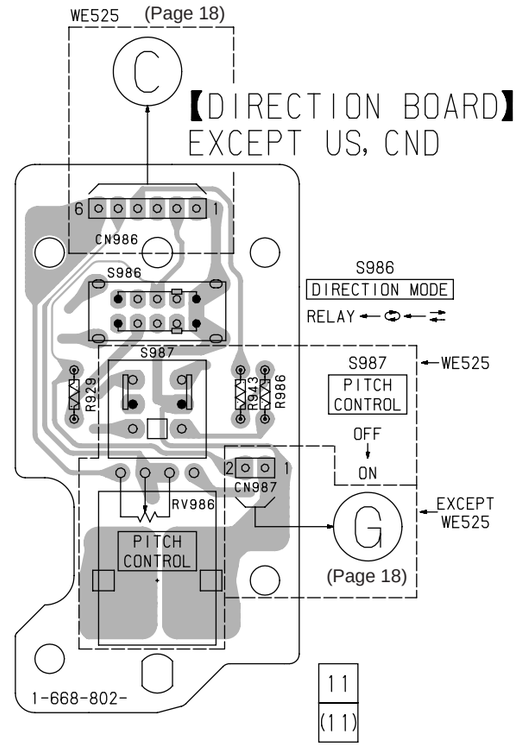
5-6. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —

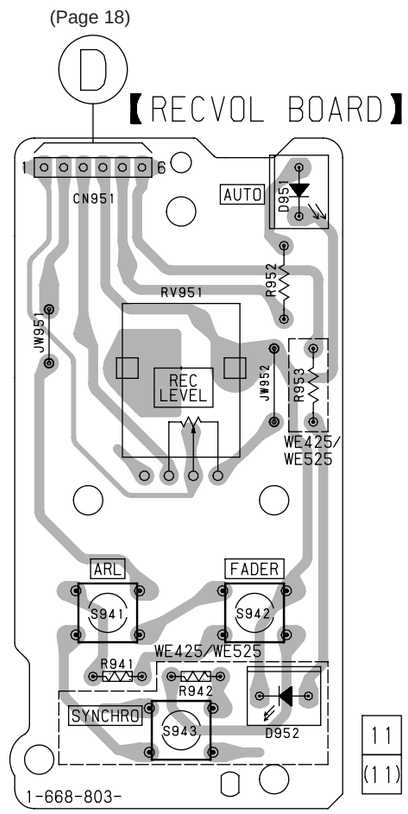


5-7. PRINTED WIRING BOARDS — PANEL SECTION —

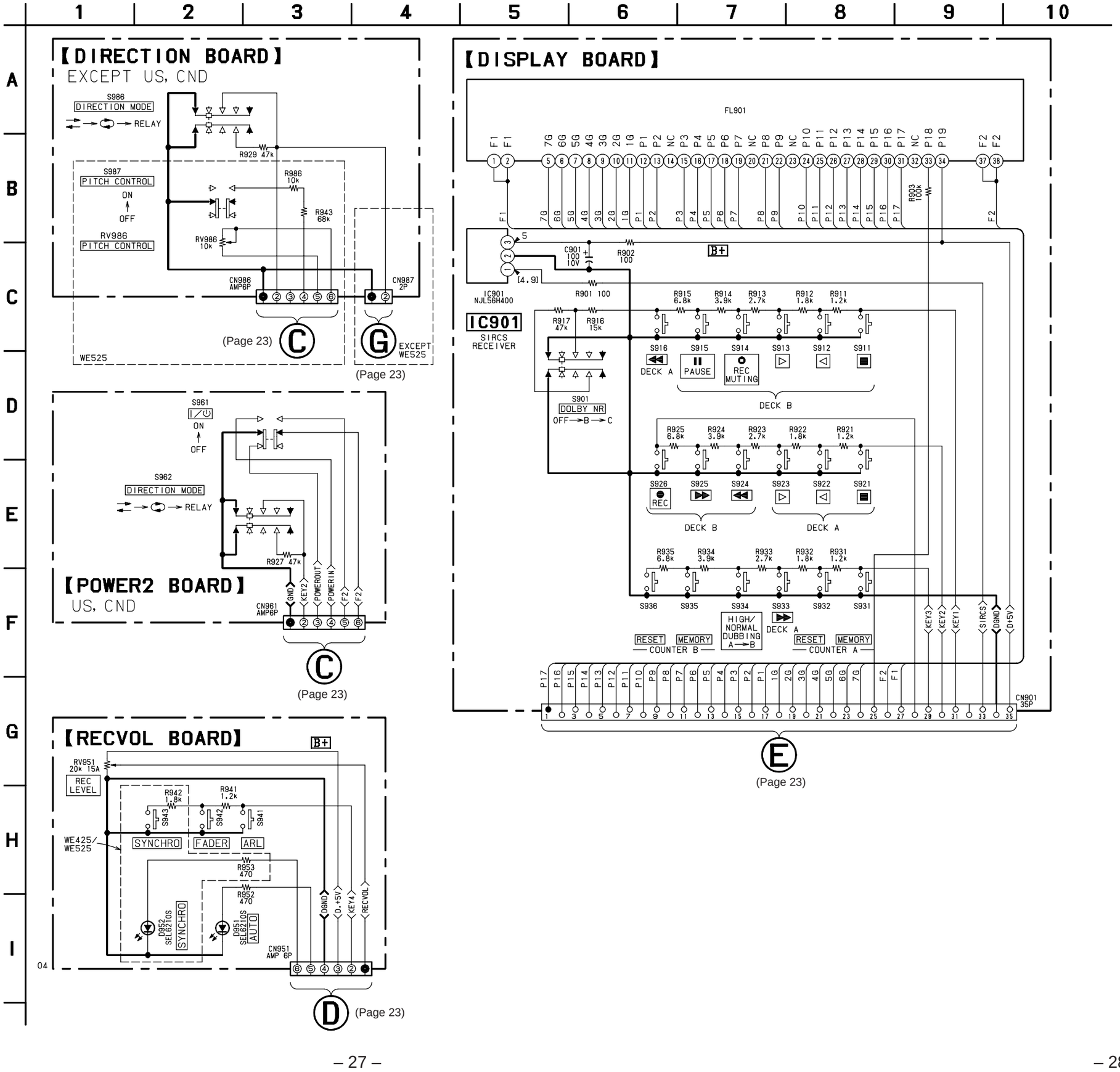




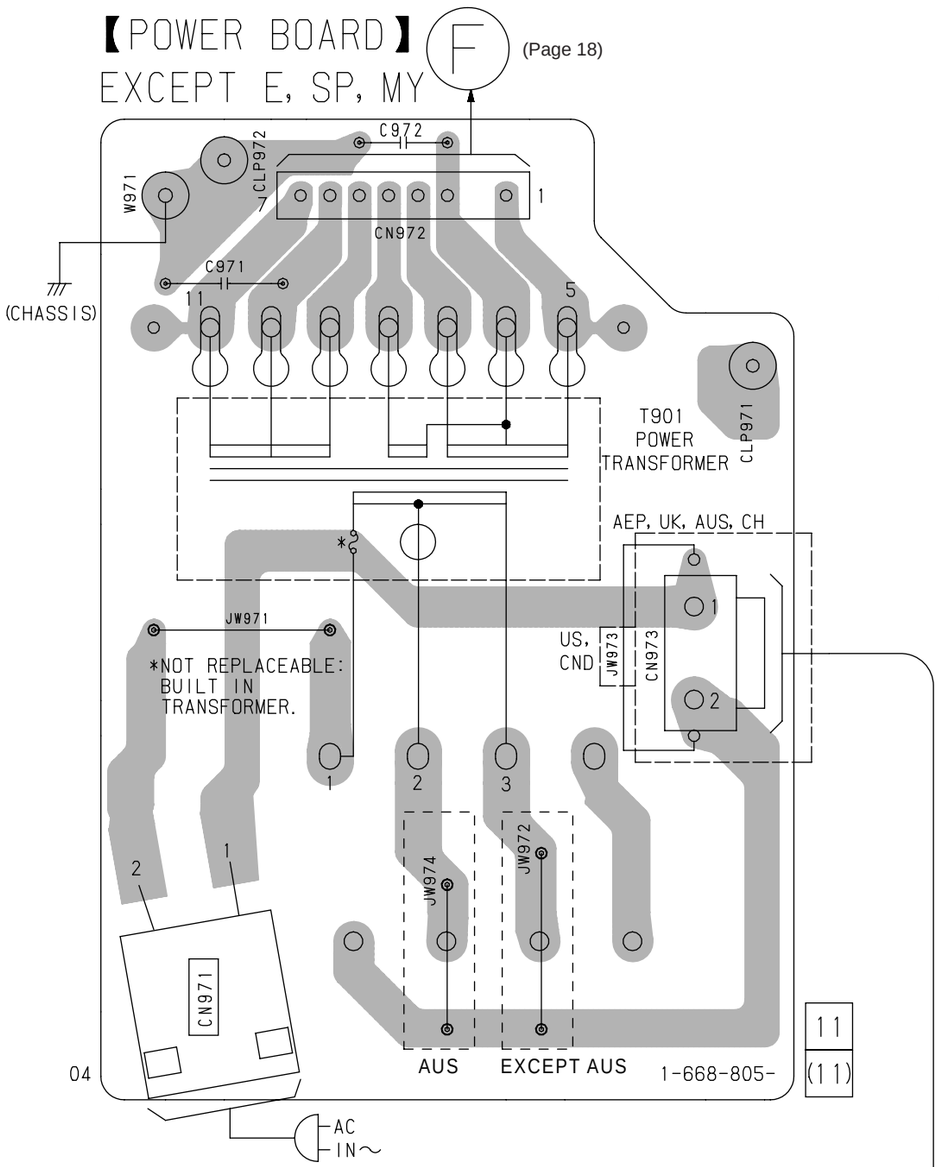


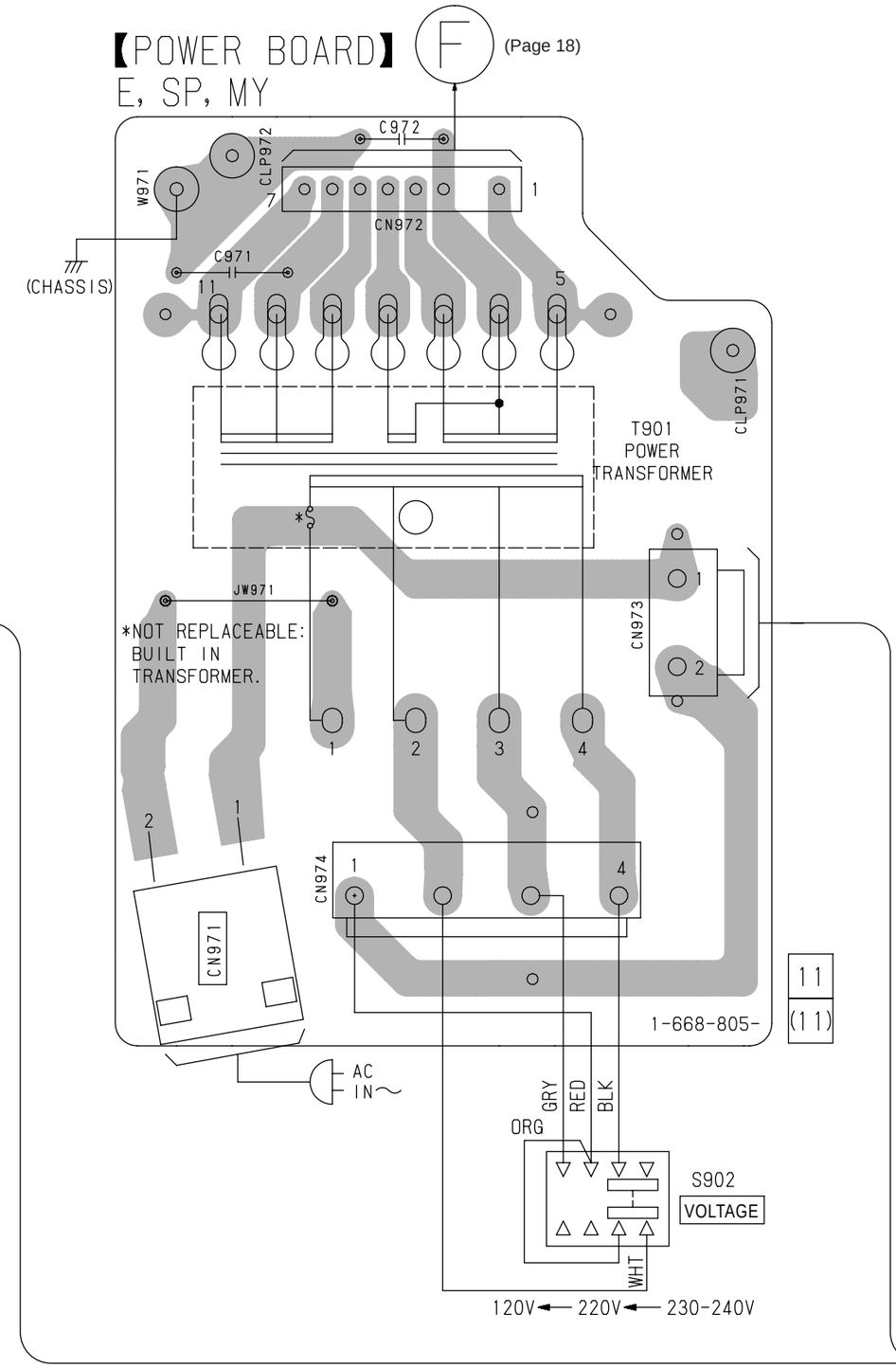


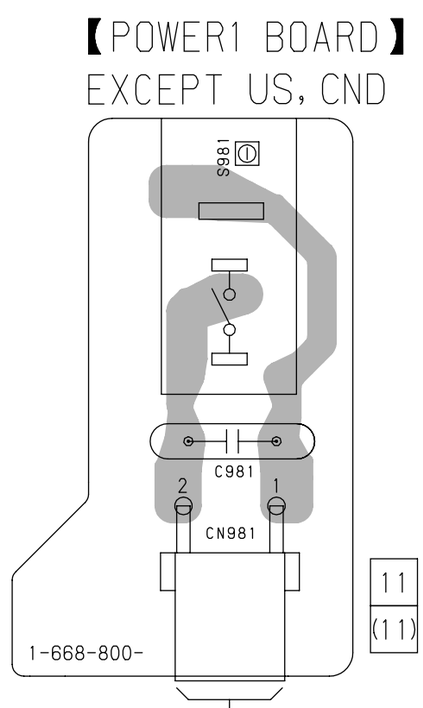
5-8. SCHEMATIC DIAGRAM — PANEL SECTION —



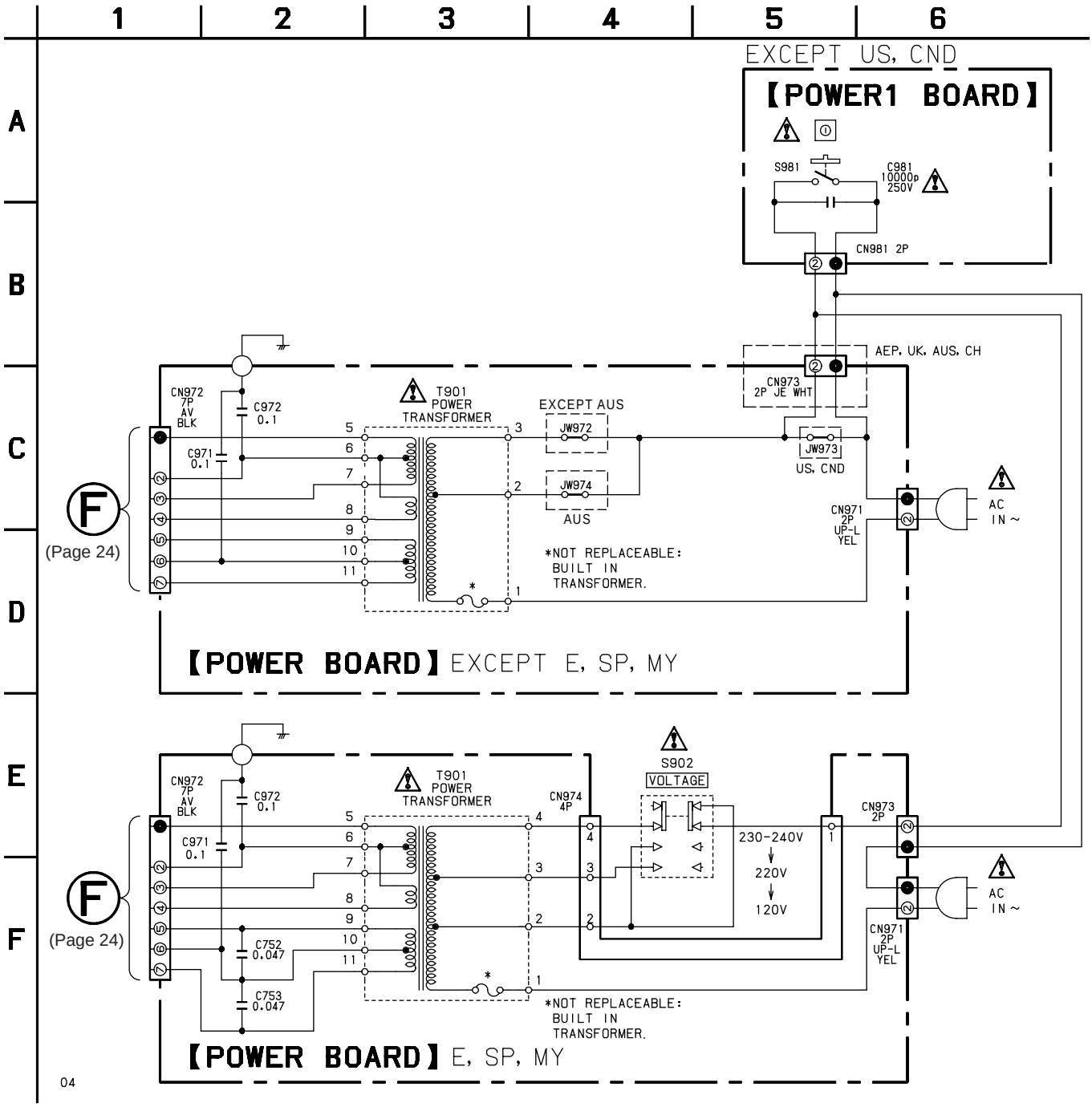
5-9. PRINTED WIRING BOARDS — POWER SECTION —



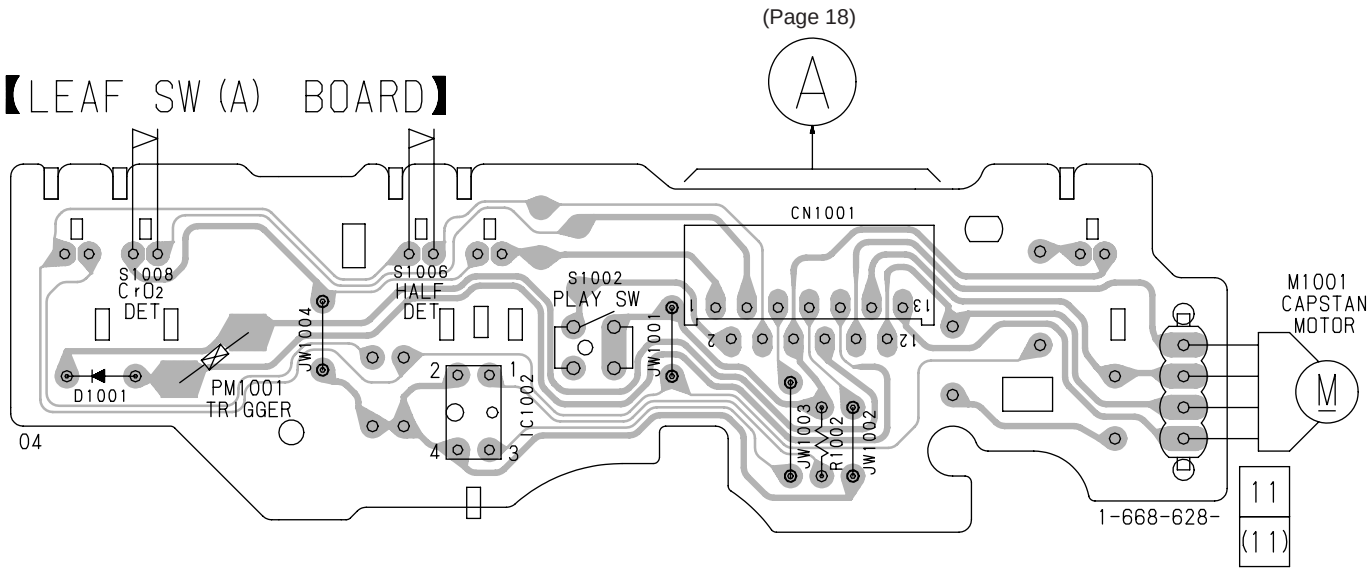




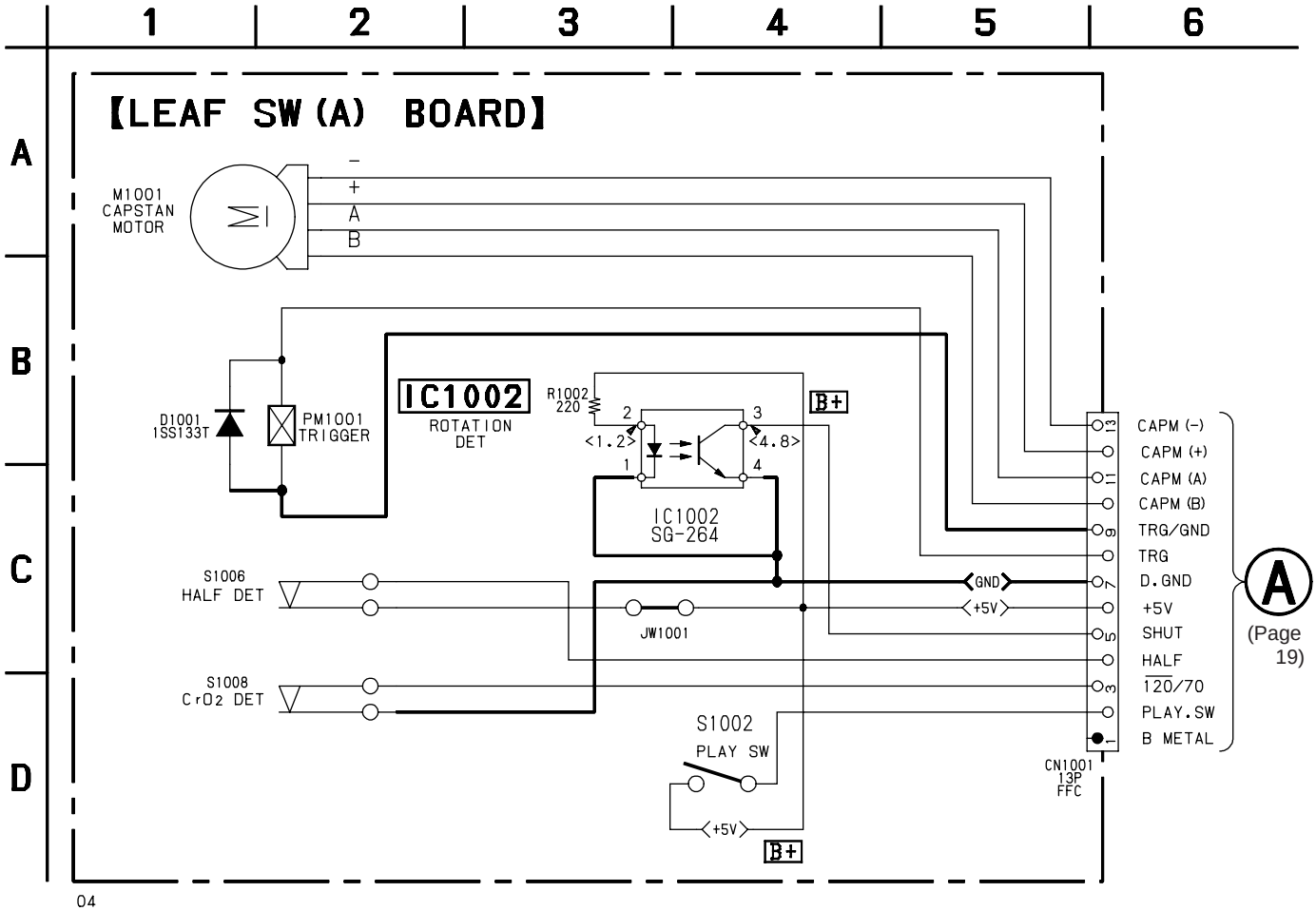
5-10. SCHEMATIC DIAGRAM — POWER SECTION —



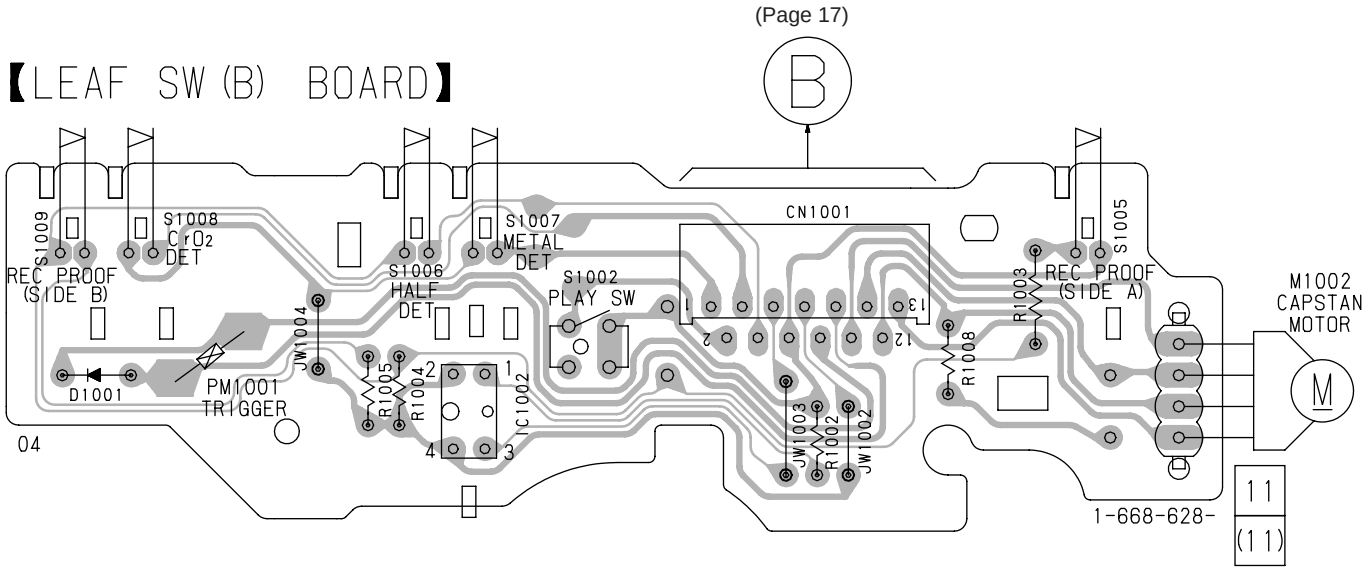
5-11. PRINTED WIRING BOARD — DECK A SECTION —



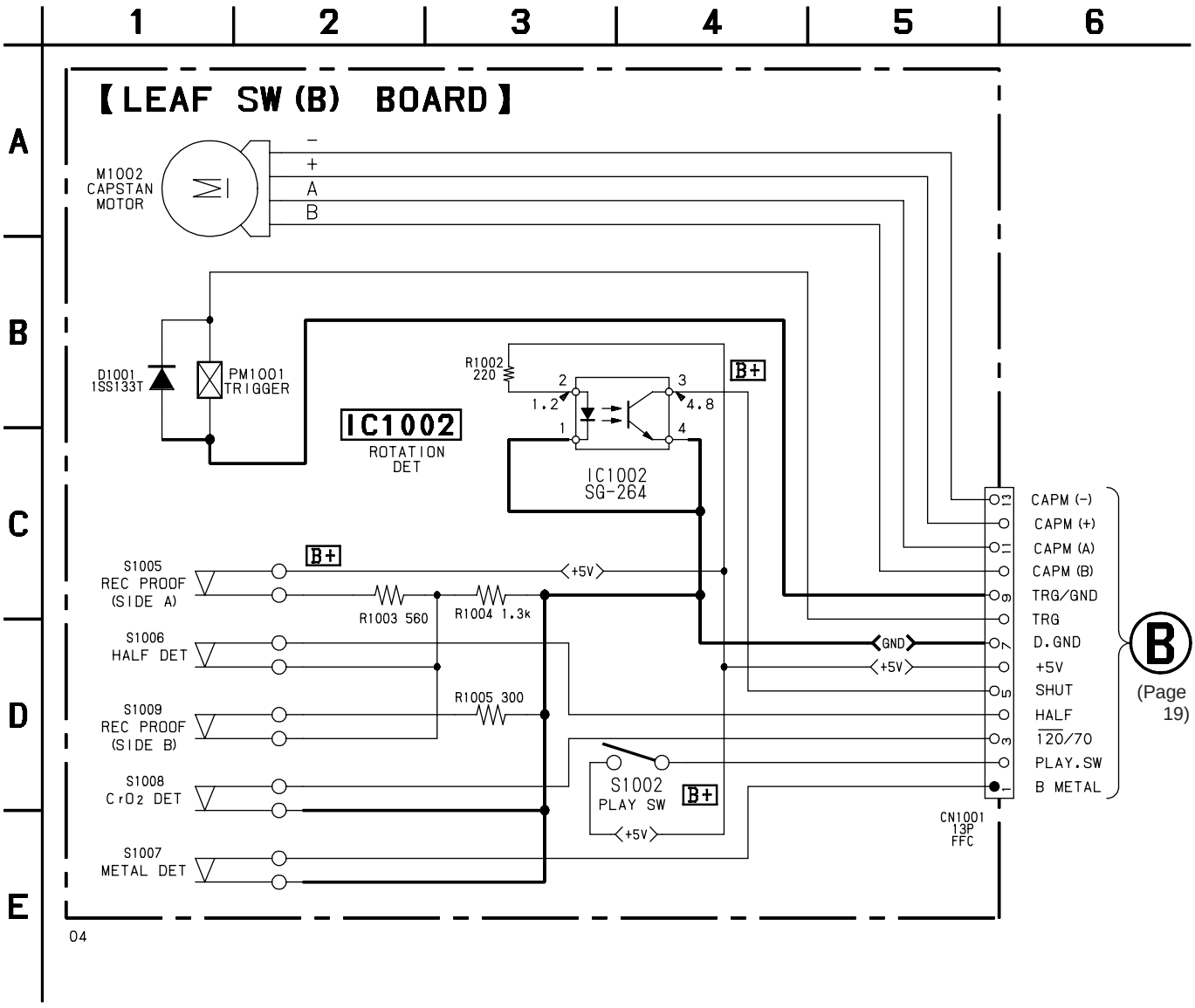
5-12. SCHEMATIC DIAGRAM — DECK A SECTION —



5-13. PRINTED WIRING BOARD — DECK B SECTION —



5-14. SCHEMATIC DIAGRAM — DECK B SECTION —

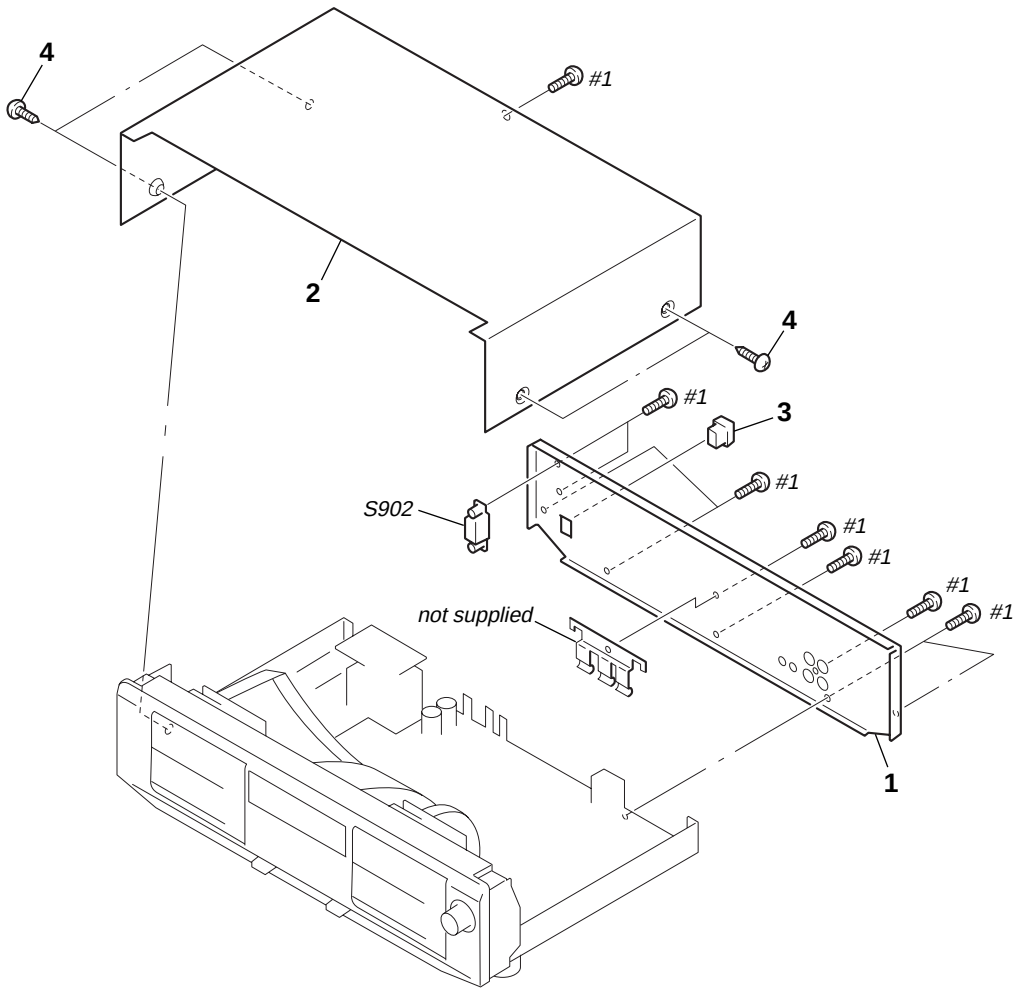


SECTION 6
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
  CND : Canadian model
  AUS : Australian model
  SP : Singapore model
  MY : Malaysia model
  CH : Chinese model
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Accessories and packing materials and hardware (# mark) list are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

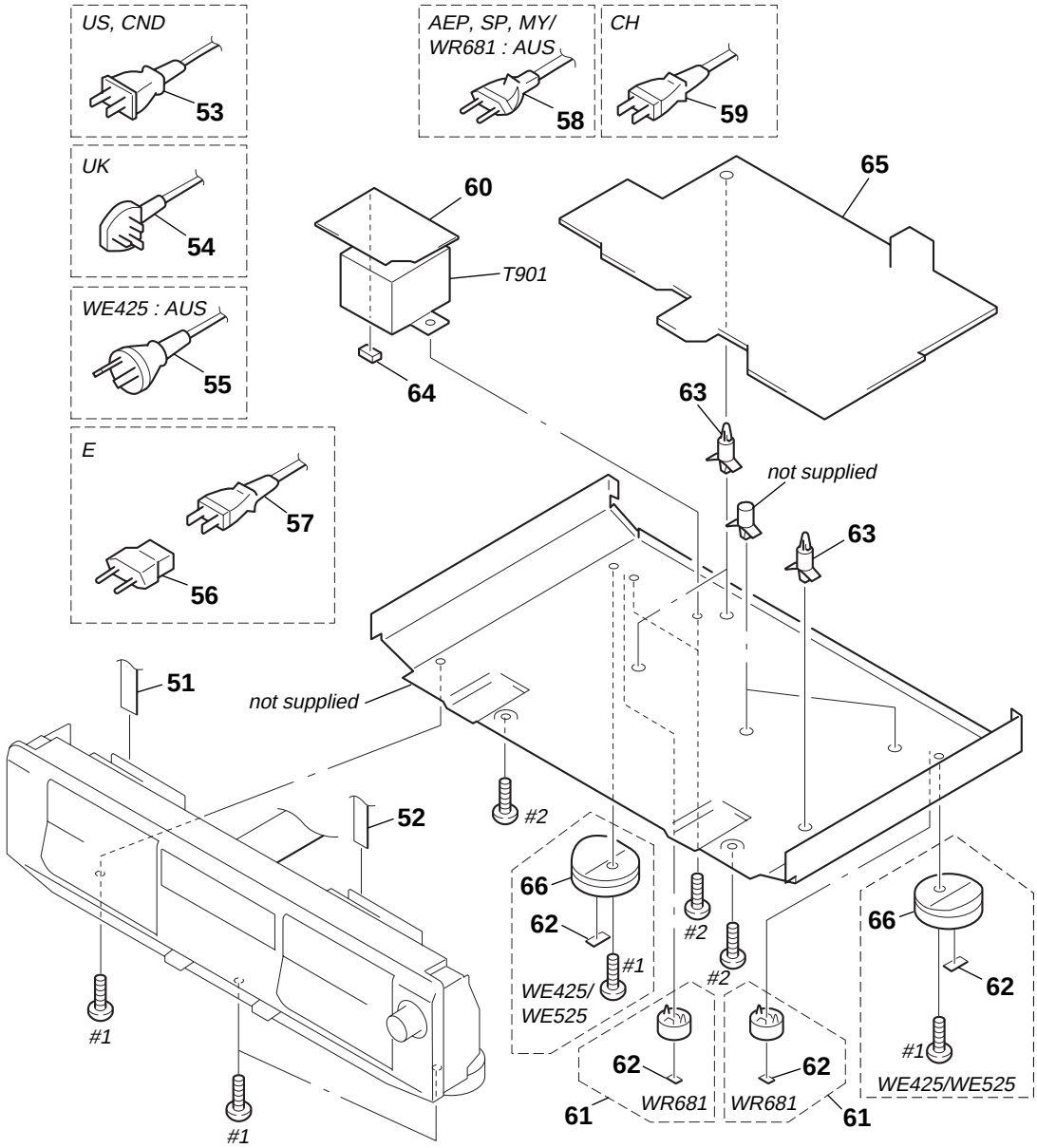
6-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
* 1	3-021-244-01	PANEL, BACK (WE425:US)	
* 1	3-021-244-11	PANEL, BACK (WE425:CND)	
* 1	3-021-244-21	PANEL, BACK (WE525:AEP)	
* 1	3-021-244-31	PANEL, BACK (WE525:UK)	
* 1	3-021-244-41	PANEL, BACK (WE425:AUS)	
* 1	3-021-244-51	PANEL, BACK (WE425:SP,MY)	
* 1	3-021-244-61	PANEL, BACK (WE425:CH)	
* 1	3-021-245-01	PANEL, BACK (WR681:US)	
* 1	3-021-245-11	PANEL, BACK (WR681:AEP)	
* 1	3-021-245-21	PANEL, BACK (WR681:E)	
* 1	3-021-245-31	PANEL, BACK (WR681:AUS)	
* 1	3-021-245-41	PANEL, BACK (WR681:SP)	

Ref. No.	Part No.	Description	Remark
* 2	3-935-634-01	CASE (410726)	
* 3	3-703-244-00	BUSHING (2104), CORD (EXCEPT E)	
* 3	3-703-571-11	BUSHING (S) (4516), CORD (E)	
4	3-363-099-01	SCREW (CASE 3 TP2)	
⚠ S902	1-692-155-11	SELECTOR, POWER VOLTAGE (VOLTAGE) (E,SP,MY)	

6-2. CHASSIS SECTION

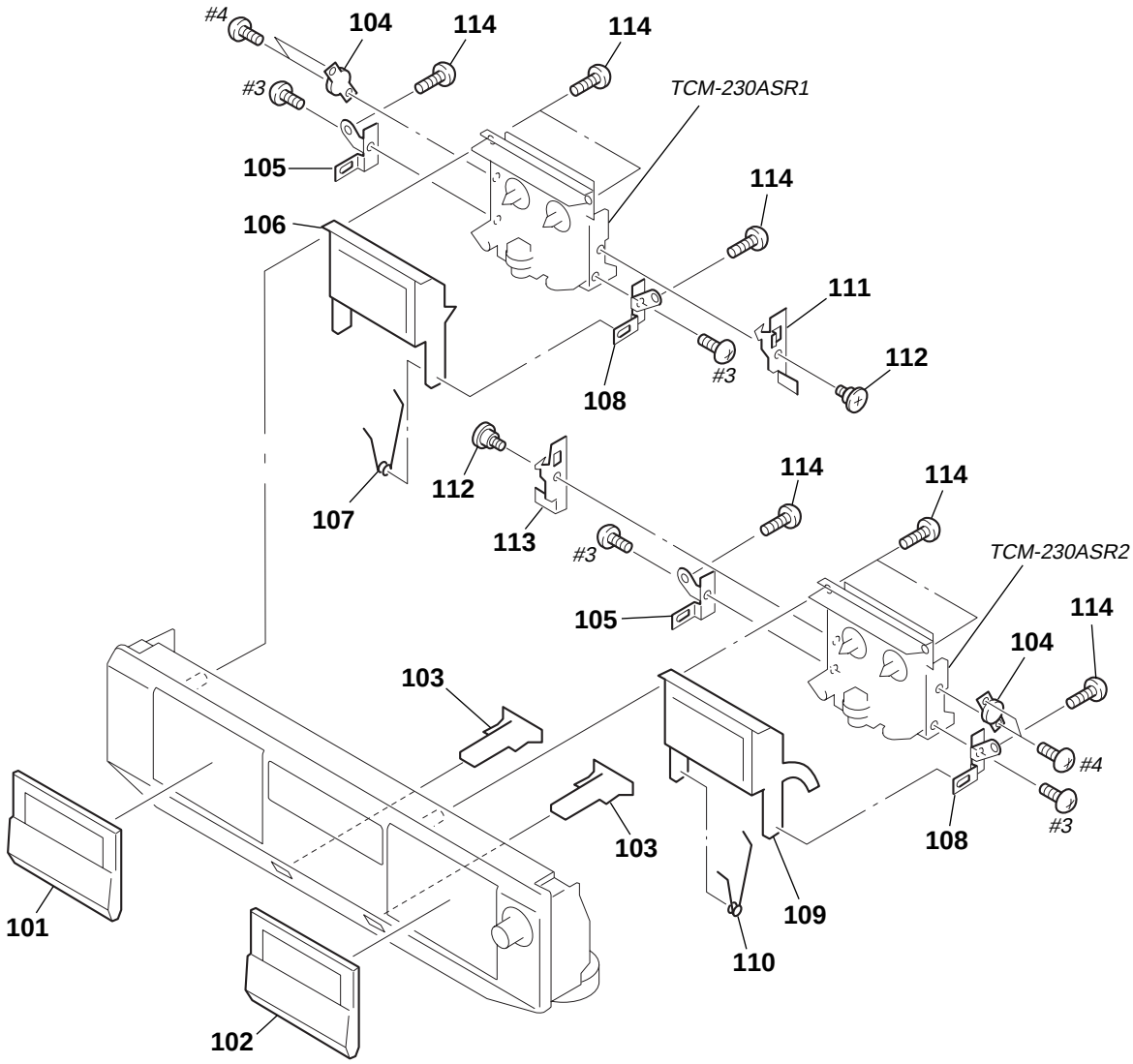


The components identified by mark ⚠or dotted line with mark. ⚠are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
51	1-769-984-11	WIRE (FLAT TYPE) (13 CORE)	
52	1-769-976-11	WIRE (FLAT TYPE) (13 CORE)	
⚠53	1-590-926-11	CORD, POWER (US,CND)	
⚠54	1-751-529-11	CORD, POWER (UK)	
⚠55	1-696-845-11	CORD, POWER (WE425:AUS)	
⚠56	1-569-007-11	ADAPTOR, CONVERSION 2P (E)	
⚠57	1-558-943-41	CORD, POWER (E)	
⚠58	1-575-651-21	CORD, POWER (AEP,SP,MY/WR681:AUS)	
⚠59	1-782-510-11	CORD, POWER (CH)	
* 60	1-668-805-11	POWER BOARD	
61	X-4946-543-2	FOOT (SMALL) ASSY (WR681)	
* 62	4-978-398-21	CUSHION	
* 63	3-346-265-31	HOLDER, PC BOARD	
* 64	1-573-047-11	PIN, CONNECTOR (PC BOARD) 2P	

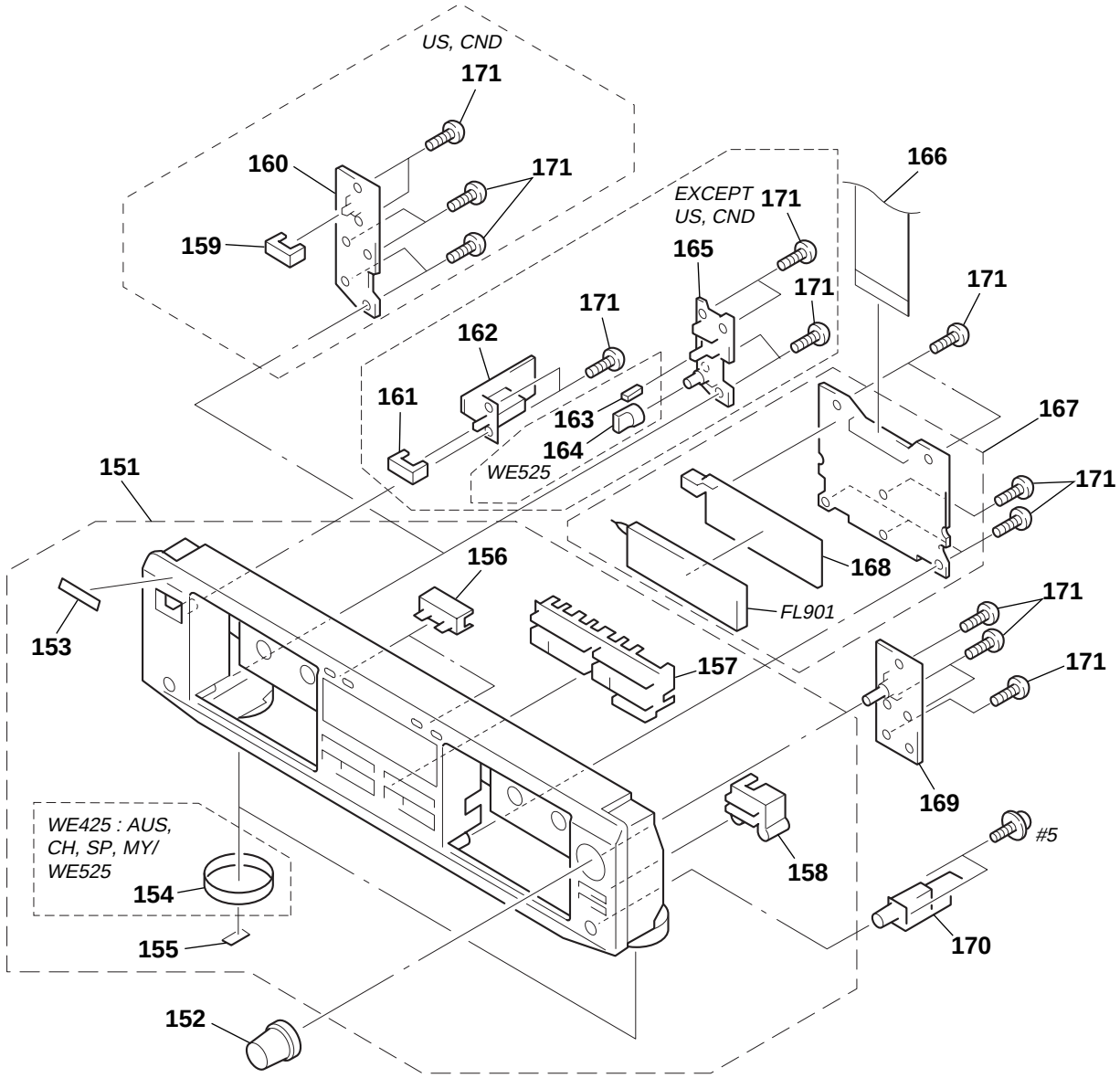
Ref. No.	Part No.	Description	Remark
* 65	A-2007-783-A	MAIN BOARD, COMPLETE (WE425:US,CND)	
* 65	A-2007-786-A	MAIN BOARD, COMPLETE (WE525)	
* 65	A-2007-793-A	MAIN BOARD, COMPLETE (WE425:AUS,CH,SP,MY)	
* 65	A-2007-796-A	MAIN BOARD, COMPLETE (WR681:US)	
* 65	A-2007-797-A	MAIN BOARD, COMPLETE (WR681:AEP,E,AUS,SP)	
66	4-977-591-01	FOOT (F50150S) (WE425:AUS,CH,SP,MY/WE525)	
66	4-977-591-11	FOOT (F50150S) (WE425:US,CND)	
⚠T901	1-429-387-11	TRANSFORMER, POWER (US,CND)	
⚠T901	1-429-872-11	TRANSFORMER, POWER (AEP,UK,AUS,CH)	
⚠T901	1-431-970-11	TRANSFORMER, POWER (E,SP,MY)	

6-3. CASSETTE HOLDER SECTION



Ref. No.	Part No.	Description	Remark
101	X-3374-866-1	LID (A) ASSY, CASSETTE	
102	X-3374-867-1	LID (B) ASSY, CASSETTE	
103	3-931-427-31	BUTTON (EJECT)	
104	3-022-410-01	DAMPER	
105	3-019-450-01	PLATE (L), FULCRUM	
106	X-3375-103-1	HOLDER (R) ASSY, CASSETTE	
107	3-019-455-01	SPRING (R), LOADING	
108	3-019-451-01	PLATE (R), FULCRUM	
109	X-3375-107-1	HOLDER (L) ASSY, CASSETTE	
110	3-019-454-01	SPRING (L), LOADING	
111	3-019-453-01	LEVER (LOCK R)	
112	3-019-456-01	SCREW, STEP	
113	3-019-452-01	LEVER (LOCK L)	
114	4-951-620-01	SCREW (2.6X8), +BVTP	

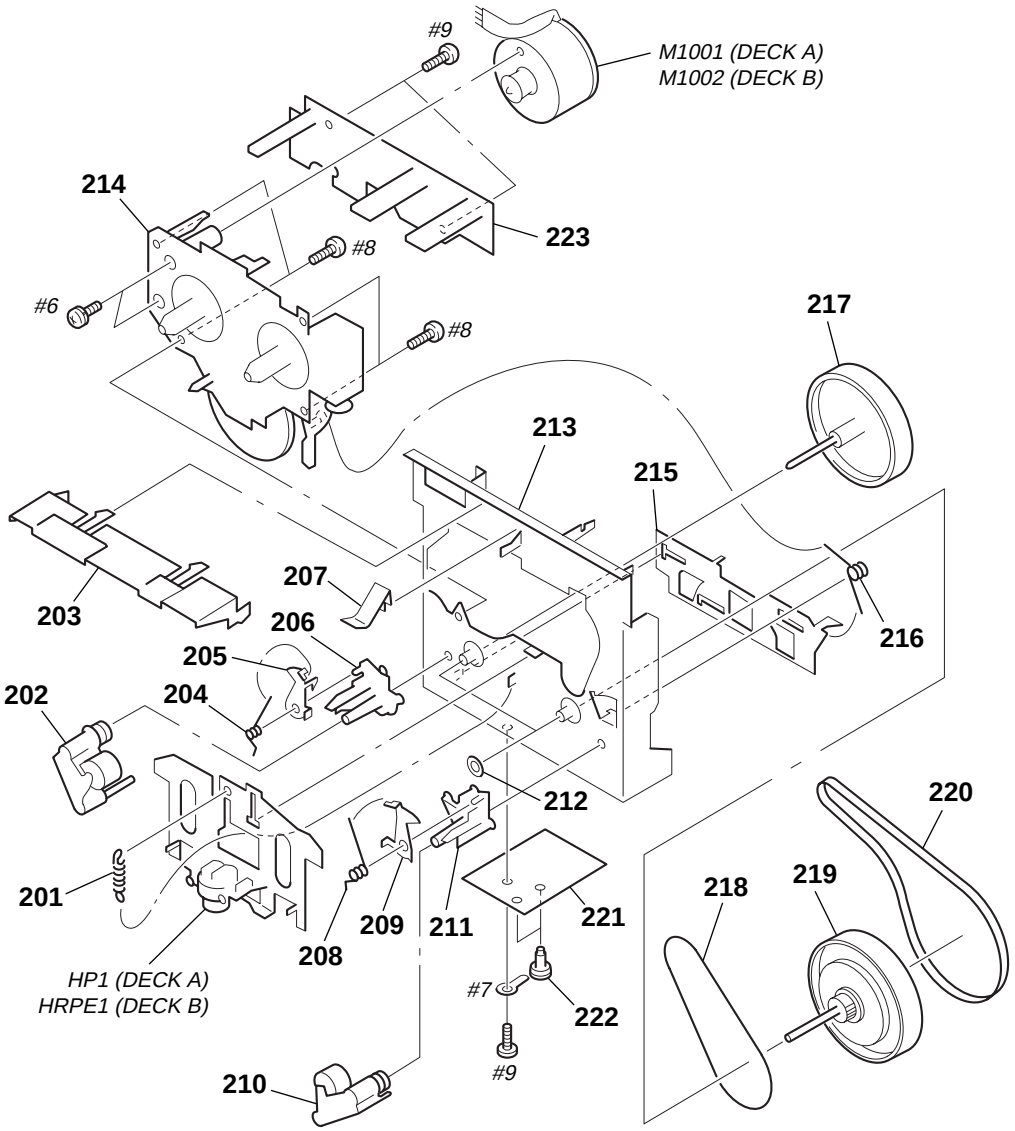
6-4. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
151	X-3374-859-1	PANEL ASSY, FRONT (WE425:US,CND)	
151	X-3374-861-1	PANEL ASSY, FRONT (WR681)	
151	X-3374-943-1	PANEL ASSY, FRONT (WE425:AUS,CH,SP,MY)	
151	X-3375-108-1	PANEL ASSY, FRONT (WE525)	
152	3-021-239-01	KNOB (REC)	
153	4-996-698-41	EMBLEM, SONY	
154	4-977-593-01	RING (DIA. 50), ORNAMENTAL (WE425:AUS,CH,SP,MY/WE525)	
* 155	4-978-398-21	CUSHION	
156	3-021-232-01	BUTTON (COUNTER)	
157	3-021-230-11	BUTTON (FUNCTION)	
158	3-931-241-11	BUTTON (SYNCHRO) (WR681)	
158	X-3371-370-1	BUTTON (SYNCHRO) ASSY (WE425/WE525)	
159	3-931-429-51	BUTTON (POWER) (US,CND)	

Ref. No.	Part No.	Description	Remark
* 160	1-668-801-11	POWER2 BOARD (US,CND)	
161	3-931-429-41	BUTTON (POWER) (EXCEPT US,CND)	
* 162	1-668-800-11	POWER1 BOARD (EXCEPT US,CND)	
163	3-380-952-21	BUTTON (WE525)	
164	3-931-378-01	KNOB (F10) (WE525)	
* 165	1-668-802-11	DIRECTION BOARD (EXCEPT US,CND)	
166	1-773-391-11	WIRE (FLAT TYPE) (35 CORE)	
* 167	A-2007-787-A	DISPLAY BOARD, COMPLETE	
* 168	3-931-428-11	HOLDER (FL)	
* 169	1-668-803-11	RECVOL BOARD	
* 170	1-668-804-11	H.P BOARD (WE425/WE525)	
171	4-951-620-01	SCREW (2.6X8), +BVTP	
FL901	1-517-491-11	INDICATOR TUBE, FLUORESCENT	

6-5. TAPE MECHANISM SECTION
(DECK A : TCM-230ASR1)
(DECK B : TCM-230ASR2)



Ref. No.	Part No.	Description	Remark
201	3-016-574-01	SPRING (HEAD), TENSION	
202	X-3374-156-3	PINCH LEVER (REV) ASSY	
* 203	3-019-457-01	COVER, LEAF SWITCH	
204	3-016-576-01	SPRING, TORSION (DECK B)	
205	3-016-572-01	LEVER (EJECT PREVENTION L) (DECK B)	
206	3-016-565-01	BASE (PINCH LEVER REV)	
207	3-016-567-01	SPRING (CASSETTE), LEAF	
208	3-016-577-01	SPRING, TORSION (DECK A)	
209	3-016-573-01	LEVER (EJECT PREVENTION R) (DECK A)	
210	X-3374-155-3	PINCH LEVER (FWD) ASSY	
211	3-016-564-01	BASE (PINCH LEVER FWD)	
212	3-019-208-01	WASHER, STOPPER	
* 213	X-3374-828-1	CHASSIS ASSY, MECHANICAL	
214	A-2004-688-A	MECHANICAL BLOCK ASSY	
215	3-016-566-01	SLIDER, REVERSE	

Ref. No.	Part No.	Description	Remark
216	3-016-575-01	SPRING, TORSION	
217	X-3374-235-1	FLYWHEEL (REV) ASSY	
218	3-024-405-01	BELT (FR2)	
219	X-3374-234-5	FLYWHEEL (FWD) ASSY	
220	3-016-570-01	BELT (CAPSTAN)	
* 221	1-668-634-11	HEAD RELAY (PB) BOARD (DECK A)	
* 221	1-668-635-11	HEAD RELAY (REC) BOARD (DECK B)	
222	3-911-116-21	RIVET, PUSH	
* 223	1-668-628-11	LEAF SW (A) BOARD (DECK A)	
* 223	1-668-628-11	LEAF SW (B) BOARD (DECK B)	
HP1	A-2004-645-A	DECK (A) ASSY, HEAD (PLAYBACK) (DECK A)	
HRPE1	A-2004-646-A	DECK (B) ASSY, HEAD (RECORD/PLAYBACK/ERASE) (DECK B)	
M1001	A-2004-644-A	MOTOR ASSY, CAPSTAN (DECK A)	
M1002	A-2004-644-A	MOTOR ASSY, CAPSTAN (DECK B)	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Abbreviation
  CND : Canadian model MY : Malaysia model
  AUS : Australian model CH : Chinese model
  SP : Singapore model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-668-802-11	DIRECTION BOARD (EXCEPT US,CND)			
		**********			
		< RESISTOR >			
R929	1-249-437-11	CARBON	47K	5%	1/4W
R943	1-249-439-11	CARBON	68K	5%	1/4W (WE525)
R986	1-249-429-11	CARBON	10K	5%	1/4W (WE525)
		< VARIABLE RESISTOR >			
RV986	1-225-619-11	RES, VAR, CARBON 10K (PITCH CONTROL)			(WE525)
		< SWITCH >			
S986	1-762-567-11	SWITCH, SLIDE (DIRECTION MODE)			
S987	1-554-118-00	SWITCH, PUSH (1 KEY) (PITCH CONTROL)			(WE525)
**********					
*	A-2007-787-A	DISPLAY BOARD, COMPLETE			
		**********			
*	3-931-428-11	HOLDER (FL)			
		< CAPACITOR >			
C901	1-104-665-11	ELECT	100uF	20%	10V
		< CONNECTOR >			
CN901	1-784-757-11	CONNECTOR, FFC 35P			
		< FLUORESCENT INDICATOR >			
FL901	1-517-491-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC901	8-749-014-66	IC NJL56H400			
		< RESISTOR >			
R901	1-247-807-11	CARBON	100	5%	1/4W
R902	1-247-807-11	CARBON	100	5%	1/4W
R903	1-249-441-11	CARBON	100K	5%	1/4W
R911	1-249-418-11	CARBON	1.2K	5%	1/4W
R912	1-249-420-11	CARBON	1.8K	5%	1/4W
R913	1-249-422-11	CARBON	2.7K	5%	1/4W
R914	1-249-424-11	CARBON	3.9K	5%	1/4W
R915	1-249-427-11	CARBON	6.8K	5%	1/4W
R916	1-249-431-11	CARBON	15K	5%	1/4W
R917	1-249-437-11	CARBON	47K	5%	1/4W
R921	1-249-418-11	CARBON	1.2K	5%	1/4W
R922	1-249-420-11	CARBON	1.8K	5%	1/4W
R923	1-249-422-11	CARBON	2.7K	5%	1/4W
R924	1-249-424-11	CARBON	3.9K	5%	1/4W
R925	1-249-427-11	CARBON	6.8K	5%	1/4W
R931	1-249-418-11	CARBON	1.2K	5%	1/4W
R932	1-249-420-11	CARBON	1.8K	5%	1/4W
R933	1-249-422-11	CARBON	2.7K	5%	1/4W
R934	1-249-424-11	CARBON	3.9K	5%	1/4W
R935	1-249-427-11	CARBON	6.8K	5%	1/4W
		< SWITCH >			
S901	1-762-567-11	SWITCH, SLIDE (DOLBY NR)			
S911	1-554-303-21	SWITCH, TACTILE (■) (DECK B)			
S912	1-554-303-21	SWITCH, TACTILE (◁) (DECK B)			
S913	1-554-303-21	SWITCH, TACTILE (▷) (DECK B)			
S914	1-554-303-21	SWITCH, TACTILE (○ REC MUTING) (DECK B)			
S915	1-554-303-21	SWITCH, TACTILE (❚❚ PAUSE) (DECK B)			
S916	1-554-303-21	SWITCH, TACTILE (◀◀) (DECK A)			
S921	1-554-303-21	SWITCH, TACTILE (■) (DECK A)			
S922	1-554-303-21	SWITCH, TACTILE (◁) (DECK A)			
S923	1-554-303-21	SWITCH, TACTILE (▷) (DECK A)			
S924	1-554-303-21	SWITCH, TACTILE (◀◀) (DECK B)			
S925	1-554-303-21	SWITCH, TACTILE (▶▶) (DECK B)			
S926	1-554-303-21	SWITCH, TACTILE (● REC) (DECK B)			
S931	1-554-303-21	SWITCH, TACTILE (MEMORY) (DECK A)			
S932	1-554-303-21	SWITCH, TACTILE (RESET) (DECK A)			
S933	1-554-303-21	SWITCH, TACTILE (▶▶) (DECK A)			
S934	1-554-303-21	SWITCH, TACTILE (HIGH/NORMAL, DUBBING A→B)			
S935	1-554-303-21	SWITCH, TACTILE (MEMORY) (DECK B)			
S936	1-554-303-21	SWITCH, TACTILE (RESET) (DECK B)			
**********					
*	1-668-804-11	H.P BOARD (WE425/WE525)			
		**********			
		< CAPACITOR >			
C991	1-162-294-31	CERAMIC	0.001uF	10%	50V
C992	1-162-294-31	CERAMIC	0.001uF	10%	50V
C993	1-161-494-00	CERAMIC	0.022uF		25V

H. P **HEAD RELAY (PB)** **HEAD RELAY (REC)**

LEAF SW (A) **LEAF SW (B)** **MAIN**

Ref. No.	Part No.	Description	Remark
		< JACK >	
J991	1-568-519-41	JACK, LARGE TYPE (PHONES)	
**********			
*	1-668-634-11	HEAD RELAY (PB) BOARD	
		**********	
		< CONNECTOR >	
* CN1002	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
**********			
*	1-668-635-11	HEAD RELAY (REC) BOARD	
		**********	
		< CONNECTOR >	
CN1003	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	
**********			
*	1-668-628-11	LEAF SW (A) BOARD	
		**********	
		< CONNECTOR >	
CN1001	1-568-444-11	SOCKET, CONNECTOR 13P	
		< DIODE >	
D1001	8-719-991-33	DIODE 1SS133T-77	
		< PHOTO INTERRUPTER >	
IC1002	8-749-014-38	PHOTO INTERRUPTER SG-264	
		< RESISTOR >	
R1002	1-249-409-11	CARBON 220 5% 1/4W	
		< SWITCH >	
S1002	1-570-953-11	SWITCH, PUSH (1 KEY) (PLAY)	
S1006	1-771-333-11	SWITCH, LEAF (HALF DET)	
S1008	1-771-205-11	SWITCH, LEAF (CrO_2 DET)	
**********			
*	1-668-628-11	LEAF SW (B) BOARD	
		**********	
		< CONNECTOR >	
CN1001	1-568-444-11	SOCKET, CONNECTOR 13P	
		< DIODE >	
D1001	8-719-991-33	DIODE 1SS133T-77	
		< PHOTO INTERRUPTER >	
IC1002	8-749-014-38	PHOTO INTERRUPTER SG-264	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R1002	1-249-409-11	CARBON	220	5%	1/4W
R1003	1-249-414-11	CARBON	560	5%	1/4W
R1004	1-247-834-11	CARBON	1.3K	5%	1/4W
R1005	1-247-818-11	CARBON	300	5%	1/4W
		< SWITCH >			
S1002	1-570-953-11	SWITCH, PUSH (1 KEY) (PLAY)			
S1005	1-771-205-11	SWITCH, LEAF (REC PROOF (SIDE A))			
S1006	1-771-333-11	SWITCH, LEAF (HALF DET)			
S1007	1-771-205-11	SWITCH, LEAF (METAL DET)			
S1008	1-771-205-11	SWITCH, LEAF (CrO_2 DET)			
S1009	1-771-205-11	SWITCH, LEAF (REC PROOF (SIDE B))			
**********					
*	A-2007-783-A	MAIN BOARD, COMPLETE (WE425:US,CND)			
*	A-2007-786-A	MAIN BOARD, COMPLETE (WE525)			
*	A-2007-793-A	MAIN BOARD, COMPLETE (WE425:AUS,CH,SP,MY)			
*	A-2007-796-A	MAIN BOARD, COMPLETE (WR681:US)			
*	A-2007-797-A	MAIN BOARD, COMPLETE (WR681:AEP,E,AUS,SP)			
		**********			
		< CAPACITOR >			
C103	1-126-961-11	ELECT	2.2uF	20%	50V
C111	1-162-289-31	CERAMIC	390PF	10%	50V
C112	1-162-282-31	CERAMIC	100PF	10%	50V
C113	1-137-372-11	FILM	0.022uF	5%	50V
C114	1-126-963-11	ELECT	4.7uF	20%	50V
C121	1-162-289-31	CERAMIC	390PF	10%	50V
C122	1-162-282-31	CERAMIC	100PF	10%	50V
C123	1-137-372-11	FILM	0.022uF	5%	50V
C124	1-126-963-11	ELECT	4.7uF	20%	50V
C131	1-162-288-31	CERAMIC	330PF	10%	50V
C132	1-107-609-11	CERAMIC	75PF	5%	500V
C133	1-137-433-11	FILM	0.0012uF	5%	50V
C134	1-102-973-00	CERAMIC	100PF	5%	50V
C135	1-136-356-11	FILM	470PF	5%	100V
C136	1-136-165-00	FILM	0.1uF	5%	50V
C137	1-161-494-00	CERAMIC	0.022uF		25V
C138	1-162-306-11	CERAMIC	0.01uF	20%	16V
C151	1-126-963-11	ELECT	4.7uF	20%	50V
C153	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C155	1-126-963-11	ELECT	4.7uF	20%	50V
C156	1-137-436-11	FILM	0.0039uF	5%	50V
C159	1-162-306-11	CERAMIC	0.01uF	20%	16V
C162	1-130-495-00	MYLAR	0.1uF	5%	50V
C163	1-137-375-11	FILM	0.068uF	5%	50V
C164	1-126-963-11	ELECT	4.7uF	20%	50V
C165	1-126-959-11	ELECT	0.47uF	20%	50V
C166	1-126-963-11	ELECT	4.7uF	20%	50V
C167	1-126-963-11	ELECT	4.7uF	20%	50V
C171	1-126-961-11	ELECT	2.2uF	20%	50V

Ref. No.	Part No.	Description			Remark
C181	1-126-964-11	ELECT	10uF	20%	50V
C203	1-126-961-11	ELECT	2.2uF	20%	50V
C211	1-162-289-31	CERAMIC	390PF	10%	50V
C212	1-162-282-31	CERAMIC	100PF	10%	50V
C213	1-137-372-11	FILM	0.022uF	5%	50V
C214	1-126-963-11	ELECT	4.7uF	20%	50V
C221	1-162-289-31	CERAMIC	390PF	10%	50V
C222	1-162-282-31	CERAMIC	100PF	10%	50V
C223	1-137-372-11	FILM	0.022uF	5%	50V
C224	1-126-963-11	ELECT	4.7uF	20%	50V
C231	1-162-288-31	CERAMIC	330PF	10%	50V
C232	1-107-609-11	CERAMIC	75PF	5%	500V
C233	1-137-433-11	FILM	0.0012uF	5%	50V
C234	1-102-973-00	CERAMIC	100PF	5%	50V
C235	1-136-356-11	FILM	470PF	5%	100V
C236	1-136-165-00	FILM	0.1uF	5%	50V
C237	1-161-494-00	CERAMIC	0.022uF		25V
C238	1-162-306-11	CERAMIC	0.01uF	20%	16V
C251	1-126-963-11	ELECT	4.7uF	20%	50V
C253	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C255	1-126-963-11	ELECT	4.7uF	20%	50V
C256	1-137-436-11	FILM	0.0039uF	5%	50V
C259	1-162-306-11	CERAMIC	0.01uF	20%	16V
C262	1-130-495-00	MYLAR	0.1uF	5%	50V
C263	1-137-375-11	FILM	0.068uF	5%	50V
C264	1-126-963-11	ELECT	4.7uF	20%	50V
C265	1-126-959-11	ELECT	0.47uF	20%	50V
C266	1-126-963-11	ELECT	4.7uF	20%	50V
C267	1-126-963-11	ELECT	4.7uF	20%	50V
C271	1-126-961-11	ELECT	2.2uF	20%	50V
C281	1-126-964-11	ELECT	10uF	20%	50V
C321	1-104-664-11	ELECT	47uF	20%	25V
C417	1-126-959-11	ELECT	0.47uF	20%	50V
C421	1-104-664-11	ELECT	47uF	20%	25V
C431	1-104-664-11	ELECT	47uF	20%	25V
C432	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C433	1-126-965-11	ELECT	22uF	20%	50V
C434	1-126-959-11	ELECT	0.47uF	20%	50V
C441	1-136-293-11	FILM	0.0082uF	5%	100V
C442	1-136-173-00	FILM	0.47uF	5%	50V
C443	1-130-299-00	FILM	0.012uF	5%	50V
C444	1-137-436-11	FILM	0.0039uF	5%	50V
C445	1-137-436-11	FILM	0.0039uF	5%	50V
C446	1-126-961-11	ELECT	2.2uF	20%	50V
C451	1-126-964-11	ELECT	10uF	20%	50V
C461	1-164-159-11	CERAMIC	0.1uF		50V
C551	1-126-964-11	ELECT	10uF	20%	50V
C552	1-126-964-11	ELECT	10uF	20%	50V
C553	1-126-935-11	ELECT	470uF	20%	16V
C554	1-126-964-11	ELECT	10uF	20%	50V
C555	1-126-960-11	ELECT	1uF	20%	50V
C556	1-164-159-11	CERAMIC	0.1uF		50V
C575	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description			Remark
C581	1-104-665-11	ELECT	100uF	20%	10V
C591	1-126-935-11	ELECT	470uF	20%	16V (WE425/WE525)
C661	1-137-446-11	FILM	0.18uF	5%	50V
C662	1-136-175-00	FILM	0.68uF	5%	50V
C663	1-137-370-11	FILM	0.01uF	5%	50V
C681	1-164-159-11	CERAMIC	0.1uF		50V
C701	1-128-547-11	ELECT	6800uF	20%	16V
C702	1-128-547-11	ELECT	6800uF	20%	16V
C721	1-126-965-11	ELECT	22uF	20%	50V
C722	1-126-927-11	ELECT	2200uF	20%	10V
C741	1-126-963-11	ELECT	4.7uF	20%	50V
C742	1-126-916-11	ELECT	1000uF	20%	6.3V
C761	1-126-927-11	ELECT	2200uF	20%	10V
C781	1-126-968-11	ELECT	100uF	20%	50V
C783	1-126-965-11	ELECT	22uF	20%	50V
C784	1-164-159-11	CERAMIC	0.1uF		50V
C785	1-164-159-11	CERAMIC	0.1uF		50V
C791	1-126-960-11	ELECT	1uF	20%	50V
C801	1-126-935-11	ELECT	470uF	20%	16V
C802	1-164-159-11	CERAMIC	0.1uF		50V
C803	1-164-159-11	CERAMIC	0.1uF		50V
C811	1-161-494-00	CERAMIC	0.022uF		25V
C812	1-161-494-00	CERAMIC	0.022uF		25V
C813	1-161-494-00	CERAMIC	0.022uF		25V
C814	1-161-494-00	CERAMIC	0.022uF		25V
C821	1-164-159-11	CERAMIC	0.1uF		50V
C822	1-161-494-00	CERAMIC	0.022uF		25V
C823	1-161-494-00	CERAMIC	0.022uF		25V
C825	1-162-294-31	CERAMIC	0.001uF	10%	50V
C826	1-162-294-31	CERAMIC	0.001uF	10%	50V
C841	1-126-959-11	ELECT	0.47uF	20%	50V

< CONNECTOR >

CN311	1-784-774-11	CONNECTOR, FFC 13P	
CN411	1-784-774-11	CONNECTOR, FFC 13P	
CN591	1-506-468-11	PIN, CONNECTOR 3P (WE425/WE525)	
CN601	1-784-796-11	CONNECTOR, FFC 35P	
* CN611	1-568-955-11	PIN, CONNECTOR 6P	
* CN621	1-568-951-11	PIN, CONNECTOR 2P (EXCEPT US,CND/WE525)	
* CN621	1-568-955-11	PIN, CONNECTOR 6P (US,CND/WE525)	
CN701	1-766-269-11	PIN, CONNECTOR (PC BOARD) 7P	

< DIODE >

D159	8-719-911-19	DIODE	1SS119
D259	8-719-911-19	DIODE	1SS119
D306	8-719-911-19	DIODE	1SS119 (WE525)
D307	8-719-911-19	DIODE	1SS119 (WE525)
D318	8-719-911-19	DIODE	1SS119 (WE525)
D451	8-719-911-19	DIODE	1SS119
D581	8-719-911-19	DIODE	1SS119
D681	8-719-911-19	DIODE	1SS119 (WE425/WE525)
D701	8-719-024-99	DIODE	11ES2-NTA2B

MAIN

Ref. No.	Part No.	Description	Remark
D702	8-719-024-99	DIODE 11ES2-NTA2B	
D703	8-719-024-99	DIODE 11ES2-NTA2B	
D704	8-719-024-99	DIODE 11ES2-NTA2B	
D705	8-719-024-99	DIODE 11ES2-NTA2B	
D711	8-719-911-19	DIODE 1SS119	
D712	8-719-933-33	DIODE HZS6A1L	
D721	8-719-933-35	DIODE HZS6A3L	
D731	8-719-933-33	DIODE HZS6A1L	
D741	8-719-933-35	DIODE HZS6A3L	
D761	8-719-933-33	DIODE HZS6A1L	
D781	8-719-911-19	DIODE 1SS119	
D782	8-719-985-95	DIODE HZS7A2LTA	
D783	8-719-911-19	DIODE 1SS119	
D791	8-719-911-19	DIODE 1SS119	
D792	8-719-911-19	DIODE 1SS119	
D793	8-719-911-19	DIODE 1SS119	
D801	8-719-911-19	DIODE 1SS119	
		< IC >	
IC321	8-759-111-44	IC uPC4570C-1	
IC421	8-759-111-44	IC uPC4570C-1	
IC431	8-759-106-56	IC uPC1297CA	
IC461	8-759-000-48	IC MC14052BCP	
IC551	8-752-075-27	IC CXA1878Q	
IC591	8-759-634-51	IC M5218AP (WE425/WE525)	
IC661	8-759-634-51	IC M5218AP	
IC701	8-759-634-51	IC M5218AP	
IC801	8-752-892-73	IC CXP82220-051Q	
IC841	8-759-165-82	IC PST600E-T	
		< JACK >	
* J681	1-764-188-11	JACK (SMALL TYPE) (DIA. 3.5) (S-LINK CONTROL A1) (WE425/WE525)	
* J682	1-764-188-11	JACK (SMALL TYPE) (DIA. 3.5) (S-LINK CONTROL A1) (WE425/WE525)	
		< COIL >	
L131	1-410-780-11	INDUCTOR 27mH	
L231	1-410-780-11	INDUCTOR 27mH	
		< LOW PASS FILTER >	
LPF151	1-233-271-11	FILTER, LOW PASS	
LPF251	1-233-271-11	FILTER, LOW PASS	
		< JACK >	
PJ501	1-770-614-11	JACK, PIN 4P (LINE OUT)	
		< TRANSISTOR >	
Q151	8-729-029-94	TRANSISTOR DTC143TSA	
Q181	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q251	8-729-029-94	TRANSISTOR DTC143TSA	
Q281	8-729-142-25	TRANSISTOR 2SD1020-HFE	
Q301	8-729-801-84	TRANSISTOR 2SB1013-4	

Ref. No.	Part No.	Description	Remark
Q302	8-729-801-93	TRANSISTOR 2SD1387	
Q303	8-729-029-66	TRANSISTOR DTC114ESA	
Q306	8-729-030-02	TRANSISTOR DTC144ESA (WE525)	
Q307	8-729-030-02	TRANSISTOR DTC144ESA	
Q308	8-729-030-02	TRANSISTOR DTC144ESA (WE525)	
Q311	8-729-801-84	TRANSISTOR 2SB1013-4	
Q312	8-729-801-93	TRANSISTOR 2SD1387	
Q314	8-729-029-66	TRANSISTOR DTC114ESA	
Q316	8-729-029-56	TRANSISTOR DTA144ESA (WE525)	
Q317	8-729-029-56	TRANSISTOR DTA144ESA	
Q318	8-729-029-56	TRANSISTOR DTA144ESA (WE525)	
Q381	8-729-030-02	TRANSISTOR DTC144ESA	
Q382	8-729-140-04	TRANSISTOR 2SB1116A-L	
Q401	8-729-801-84	TRANSISTOR 2SB1013-4	
Q402	8-729-801-93	TRANSISTOR 2SD1387	
Q403	8-729-029-66	TRANSISTOR DTC114ESA	
Q411	8-729-801-84	TRANSISTOR 2SB1013-4	
Q412	8-729-801-93	TRANSISTOR 2SD1387	
Q414	8-729-029-66	TRANSISTOR DTC114ESA	
Q417	8-729-029-56	TRANSISTOR DTA144ESA	
Q441	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q442	8-729-194-57	TRANSISTOR 2SC945-P	
Q443	8-729-194-57	TRANSISTOR 2SC945-P	
Q451	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q461	8-729-029-94	TRANSISTOR DTC143TSA	
Q481	8-729-030-02	TRANSISTOR DTC144ESA	
Q482	8-729-140-04	TRANSISTOR 2SB1116A-L	
Q581	8-729-029-56	TRANSISTOR DTA144ESA	
Q681	8-729-620-05	TRANSISTOR 2SC2603-EF (WE425/WE525)	
Q721	8-729-029-66	TRANSISTOR DTC114ESA (US,CND)	
Q722	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q741	8-729-029-66	TRANSISTOR DTC114ESA (US,CND)	
Q742	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q743	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q761	8-729-209-15	TRANSISTOR 2SD2012	
Q781	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q782	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q801	8-729-029-66	TRANSISTOR DTC114ESA	
Q821	8-729-029-66	TRANSISTOR DTC114ESA (US,CND)	
		< RESISTOR >	
R101	1-249-429-11	CARBON 10K 5% 1/4W	
R102	1-247-887-00	CARBON 220K 5% 1/4W	
R111	1-247-881-00	CARBON 120K 5% 1/4W	
R112	1-247-807-11	CARBON 100 5% 1/4W	
R113	1-247-882-11	CARBON 130K 5% 1/4W	
R114	1-247-850-11	CARBON 6.2K 5% 1/4W	
R121	1-247-881-00	CARBON 120K 5% 1/4W	
R122	1-247-807-11	CARBON 100 5% 1/4W	
R123	1-247-882-11	CARBON 130K 5% 1/4W	
R124	1-247-850-11	CARBON 6.2K 5% 1/4W	
R131	1-249-430-11	CARBON 12K 5% 1/4W	
R132	1-247-883-00	CARBON 150K 5% 1/4W	

Ref. No.	Part No.	Description			Remark
⚠R133	1-212-857-00	FUSIBLE	10	5%	1/4W F
R134	1-249-435-11	CARBON	33K	5%	1/4W
R135	1-249-429-11	CARBON	10K	5%	1/4W
R151	1-247-843-11	CARBON	3.3K	5%	1/4W
R152	1-247-872-11	CARBON	51K	5%	1/4W
R153	1-249-420-11	CARBON	1.8K	5%	1/4W
R154	1-249-441-11	CARBON	100K	5%	1/4W
R155	1-249-417-11	CARBON	1K	5%	1/4W
R156	1-247-842-11	CARBON	3K	5%	1/4W
R161	1-249-429-11	CARBON	10K	5%	1/4W
R162	1-249-424-11	CARBON	3.9K	5%	1/4W
R163	1-249-425-11	CARBON	4.7K	5%	1/4W
R171	1-249-439-11	CARBON	68K	5%	1/4W
R172	1-249-417-11	CARBON	1K	5%	1/4W
R181	1-249-421-11	CARBON	2.2K	5%	1/4W
R182	1-249-430-11	CARBON	12K	5%	1/4W
R183	1-249-429-11	CARBON	10K	5%	1/4W
R184	1-249-417-11	CARBON	1K	5%	1/4W
R191	1-249-433-11	CARBON	22K	5%	1/4W (WE425/WE525)
R192	1-249-437-11	CARBON	47K	5%	1/4W (WE425/WE525)
R193	1-249-433-11	CARBON	22K	5%	1/4W (WE425/WE525)
R194	1-249-409-11	CARBON	220	5%	1/4W (WE425/WE525)
R201	1-249-429-11	CARBON	10K	5%	1/4W
R202	1-247-887-00	CARBON	220K	5%	1/4W
R211	1-247-881-00	CARBON	120K	5%	1/4W
R212	1-247-807-11	CARBON	100	5%	1/4W
R213	1-247-882-11	CARBON	130K	5%	1/4W
R214	1-247-850-11	CARBON	6.2K	5%	1/4W
R221	1-247-881-00	CARBON	120K	5%	1/4W
R222	1-247-807-11	CARBON	100	5%	1/4W
R223	1-247-882-11	CARBON	130K	5%	1/4W
R224	1-247-850-11	CARBON	6.2K	5%	1/4W
R231	1-249-430-11	CARBON	12K	5%	1/4W
R232	1-247-883-00	CARBON	150K	5%	1/4W
⚠R233	1-212-857-00	FUSIBLE	10	5%	1/4W F
R234	1-249-435-11	CARBON	33K	5%	1/4W
R235	1-249-429-11	CARBON	10K	5%	1/4W
R251	1-247-843-11	CARBON	3.3K	5%	1/4W
R252	1-247-872-11	CARBON	51K	5%	1/4W
R253	1-249-420-11	CARBON	1.8K	5%	1/4W
R254	1-249-441-11	CARBON	100K	5%	1/4W
R255	1-249-417-11	CARBON	1K	5%	1/4W
R256	1-247-842-11	CARBON	3K	5%	1/4W
R261	1-249-429-11	CARBON	10K	5%	1/4W
R262	1-249-424-11	CARBON	3.9K	5%	1/4W
R263	1-249-425-11	CARBON	4.7K	5%	1/4W
R271	1-249-439-11	CARBON	68K	5%	1/4W
R272	1-249-417-11	CARBON	1K	5%	1/4W
R281	1-249-421-11	CARBON	2.2K	5%	1/4W
R282	1-249-430-11	CARBON	12K	5%	1/4W
R283	1-249-429-11	CARBON	10K	5%	1/4W
R284	1-249-417-11	CARBON	1K	5%	1/4W
R291	1-249-433-11	CARBON	22K	5%	1/4W (WE425/WE525)
R292	1-249-437-11	CARBON	47K	5%	1/4W (WE425/WE525)
R293	1-249-433-11	CARBON	22K	5%	1/4W (WE425/WE525)
R294	1-249-409-11	CARBON	220	5%	1/4W (WE425/WE525)
R301	1-249-437-11	CARBON	47K	5%	1/4W
R302	1-249-414-11	CARBON	560	5%	1/4W
R303	1-249-437-11	CARBON	47K	5%	1/4W
R304	1-249-419-11	CARBON	1.5K	5%	1/4W
R306	1-249-433-11	CARBON	22K	5%	1/4W (WE525)
R309	1-249-433-11	CARBON	22K	5%	1/4W
R311	1-249-437-11	CARBON	47K	5%	1/4W
R312	1-249-419-11	CARBON	1.5K	5%	1/4W
R313	1-249-414-11	CARBON	560	5%	1/4W
R314	1-249-437-11	CARBON	47K	5%	1/4W
R316	1-249-434-11	CARBON	27K	5%	1/4W
R317	1-247-862-11	CARBON	20K	5%	1/4W
R318	1-249-426-11	CARBON	5.6K	5%	1/4W (WE525)
R319	1-249-425-11	CARBON	4.7K	5%	1/4W
R321	1-249-409-11	CARBON	220	5%	1/4W
R381	1-249-417-11	CARBON	1K	5%	1/4W
R382	1-249-429-11	CARBON	10K	5%	1/4W
R401	1-249-437-11	CARBON	47K	5%	1/4W
R402	1-249-414-11	CARBON	560	5%	1/4W
R403	1-249-437-11	CARBON	47K	5%	1/4W
R404	1-249-419-11	CARBON	1.5K	5%	1/4W
R411	1-249-437-11	CARBON	47K	5%	1/4W
R412	1-249-419-11	CARBON	1.5K	5%	1/4W
R413	1-249-414-11	CARBON	560	5%	1/4W
R414	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-434-11	CARBON	27K	5%	1/4W
R417	1-247-862-11	CARBON	20K	5%	1/4W
R421	1-249-409-11	CARBON	220	5%	1/4W
R441	1-249-429-11	CARBON	10K	5%	1/4W
R442	1-249-429-11	CARBON	10K	5%	1/4W
R443	1-249-390-11	CARBON	5.6	5%	1/4W
R444	1-249-390-11	CARBON	5.6	5%	1/4W
R445	1-249-440-11	CARBON	82K	5%	1/4W
R446	1-249-440-11	CARBON	82K	5%	1/4W
R451	1-249-429-11	CARBON	10K	5%	1/4W
R452	1-249-425-11	CARBON	4.7K	5%	1/4W
R462	1-249-425-11	CARBON	4.7K	5%	1/4W
R463	1-249-425-11	CARBON	4.7K	5%	1/4W
R464	1-249-431-11	CARBON	15K	5%	1/4W
R465	1-249-429-11	CARBON	10K	5%	1/4W
R466	1-249-423-11	CARBON	3.3K	5%	1/4W
R467	1-247-864-11	CARBON	24K	5%	1/4W

The components identified by mark ⚠or dotted line with mark. ⚠are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description			Remark
R468	1-249-429-11	CARBON	10K	5%	1/4W
R481	1-249-417-11	CARBON	1K	5%	1/4W
R482	1-249-429-11	CARBON	10K	5%	1/4W
R551	1-249-417-11	CARBON	1K	5%	1/4W
R552	1-215-455-00	METAL	27K	1%	1/4W
R553	1-215-452-00	METAL	20K	1%	1/4W
R574	1-249-413-11	CARBON	470	5%	1/4W
R575	1-249-429-11	CARBON	10K	5%	1/4W
R576	1-249-429-11	CARBON	10K	5%	1/4W
R577	1-249-429-11	CARBON	10K	5%	1/4W
R578	1-249-435-11	CARBON	33K	5%	1/4W
R581	1-249-437-11	CARBON	47K	5%	1/4W
R582	1-249-437-11	CARBON	47K	5%	1/4W
R584	1-249-410-11	CARBON	270	5%	1/4W
R661	1-249-437-11	CARBON	47K	5%	1/4W
R662	1-249-437-11	CARBON	47K	5%	1/4W
R663	1-249-437-11	CARBON	47K	5%	1/4W
R664	1-247-807-11	CARBON	100	5%	1/4W
R681	1-249-425-11	CARBON	4.7K	5%	1/4W (WE425/WE525)
R682	1-249-429-11	CARBON	10K	5%	1/4W (WE425/WE525)
R683	1-249-393-11	CARBON	10	5%	1/4W (WE425/WE525)
R711	1-249-414-11	CARBON	560	5%	1/4W
R721	1-249-429-11	CARBON	10K	5%	1/4W (US,CND)
R722	1-249-421-11	CARBON	2.2K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R724	1-249-413-11	CARBON	470	5%	1/4W
R725	1-247-852-11	CARBON	7.5K	5%	1/4W
R726	1-249-419-11	CARBON	1.5K	5%	1/4W
R727	1-249-429-11	CARBON	10K	5%	1/4W
R728	1-249-419-11	CARBON	1.5K	5%	1/4W
R729	1-249-427-11	CARBON	6.8K	5%	1/4W
⚠R730	1-219-137-11	FUSIBLE	0.33	10%	1/4W F
R731	1-249-409-11	CARBON	220	5%	1/4W
⚠R741	1-219-137-11	FUSIBLE	0.33	10%	1/4W F
R742	1-249-421-11	CARBON	2.2K	5%	1/4W
R761	1-249-425-11	CARBON	4.7K	5%	1/4W
R762	1-249-417-11	CARBON	1K	5%	1/4W
R763	1-249-427-11	CARBON	6.8K	5%	1/4W
⚠R764	1-219-138-11	FUSIBLE	0.47	10%	1/4W F
R781	1-249-437-11	CARBON	47K	5%	1/4W
R782	1-249-430-11	CARBON	12K	5%	1/4W
R783	1-249-429-11	CARBON	10K	5%	1/4W
R784	1-249-421-11	CARBON	2.2K	5%	1/4W
R791	1-249-417-11	CARBON	1K	5%	1/4W
R792	1-249-429-11	CARBON	10K	5%	1/4W
R811	1-249-429-11	CARBON	10K	5%	1/4W
R812	1-249-429-11	CARBON	10K	5%	1/4W
R813	1-249-429-11	CARBON	10K	5%	1/4W
R814	1-249-429-11	CARBON	10K	5%	1/4W
R821	1-249-441-11	CARBON	100K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R822	1-249-417-11	CARBON	1K	5%	1/4W
R823	1-249-425-11	CARBON	4.7K	5%	1/4W
R825	1-247-876-11	CARBON	75K	5%	1/4W
R826	1-247-876-11	CARBON	75K	5%	1/4W
R827	1-247-895-00	CARBON	470K	5%	1/4W
R828	1-247-895-00	CARBON	470K	5%	1/4W
R830	1-249-429-11	CARBON	10K	5%	1/4W
R831	1-249-429-11	CARBON	10K	5%	1/4W
R832	1-249-429-11	CARBON	10K	5%	1/4W
R833	1-247-807-11	CARBON	100	5%	1/4W
R834	1-247-807-11	CARBON	100	5%	1/4W
R835	1-247-807-11	CARBON	100	5%	1/4W
R836	1-247-807-11	CARBON	100	5%	1/4W
R837	1-247-807-11	CARBON	100	5%	1/4W
R838	1-247-807-11	CARBON	100	5%	1/4W
R839	1-247-807-11	CARBON	100	5%	1/4W
R841	1-249-429-11	CARBON	10K	5%	1/4W
R842	1-249-441-11	CARBON	100K	5%	1/4W
R843	1-249-417-11	CARBON	1K	5%	1/4W
R889	1-247-807-11	CARBON	100	5%	1/4W
R891	1-247-807-11	CARBON	100	5%	1/4W
R892	1-247-807-11	CARBON	100	5%	1/4W
R893	1-247-807-11	CARBON	100	5%	1/4W
R894	1-247-807-11	CARBON	100	5%	1/4W
R926	1-249-431-11	CARBON	15K	5%	1/4W

< VARIABLE RESISTOR >

RV111	1-241-764-11	RES, ADJ, CARBON	10K
RV121	1-241-764-11	RES, ADJ, CARBON	10K
RV131	1-241-765-11	RES, ADJ, CARBON	22K
RV161	1-241-764-11	RES, ADJ, CARBON	10K
RV211	1-241-764-11	RES, ADJ, CARBON	10K
RV221	1-241-764-11	RES, ADJ, CARBON	10K
RV231	1-241-765-11	RES, ADJ, CARBON	22K
RV261	1-241-764-11	RES, ADJ, CARBON	10K
RV316	1-241-764-11	RES, ADJ, CARBON	10K
RV317	1-241-765-11	RES, ADJ, CARBON	22K
RV318	1-241-764-11	RES, ADJ, CARBON	10K (WE525)
RV416	1-241-764-11	RES, ADJ, CARBON	10K
RV417	1-241-765-11	RES, ADJ, CARBON	22K

< RELAY >

RY451	1-515-913-11	RELAY

< TRANSFORMER >

T131	1-433-381-11	TRANSFORMER, BIAS OSCILLATOR
T231	1-433-381-11	TRANSFORMER, BIAS OSCILLATOR
T441	1-429-222-11	TRANSFORMER, BIAS OSCILLATION

< TEST PIN >

TP431	1-766-276-11	PIN, CONNECTOR (PC BOARD) 3P

The components identified by mark ⚠or dotted line with mark. ⚠are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X841	1-579-175-11	VIBRATOR, CERAMIC (10MHz)			
**********					
*	1-668-805-11	POWER BOARD			
		**********			
		< CAPACITOR >			
C971	1-164-159-11	CERAMIC	0.1uF		50V
C972	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN974	1-568-106-11	PIN, CONNECTOR 4P (E,SP,MY)			
		< TRANSFORMER >			
⚠T901	1-429-387-11	TRANSFORMER, POWER (US,CND)			
⚠T901	1-429-872-11	TRANSFORMER, POWER (AEP,UK,AUS,CH)			
⚠T901	1-431-970-11	TRANSFORMER, POWER (E,SP,MY)			
**********					
*	1-668-800-11	POWER1 BOARD (EXCEPT US,CND)			
		**********			
		< CAPACITOR >			
⚠C981	1-113-925-11	CERAMIC	0.01uF	20%	250V
		< CONNECTOR >			
CN981	1-568-226-11	PIN, CONNECTOR 2P			
		< SWITCH >			
⚠S981	1-762-581-11	SWITCH, AC POWER PUSH (1 KEY) (ⓘ)			
**********					
*	1-668-801-11	POWER2 BOARD (US,CND)			
		**********			
		< RESISTOR >			
R927	1-249-437-11	CARBON	47K	5%	1/4W
		< SWITCH >			
S961	1-554-118-00	SWITCH, PUSH (1 KEY) (**I**/⏻)			
S962	1-762-567-11	SWITCH, SLIDE (DIRECTION MODE)			
**********					
*	1-668-803-11	RECVOL BOARD			
		**********			
		< DIODE >			
D951	8-719-313-43	LED SEL6210S-TH10 (AUTO)			
D952	8-719-313-43	LED SEL6210S-TH10 (SYNCHRO)			(WE425/WE525)

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R941	1-249-418-11	CARBON	1.2K	5%	1/4W
R942	1-249-420-11	CARBON	1.8K	5%	1/4W (WE425/WE525)
R952	1-249-413-11	CARBON	470	5%	1/4W
R953	1-249-413-11	CARBON	470	5%	1/4W (WE425/WE525)
		< VARIABLE RESISTOR >			
RV951	1-225-616-11	RES, VAR, CARBON 20K (REC LEVEL)			
		< SWITCH >			
S941	1-554-303-21	SWITCH, TACTILE (ARL)			
S942	1-554-303-21	SWITCH, TACTILE (FADER)			
S943	1-554-303-21	SWITCH, TACTILE (SYNCHRO) (WE425/WE525)			
**********					
		MISCELLANEOUS			
		**********			
51	1-769-976-11	WIRE (FLAT TYPE) (13 CORE)			
52	1-769-984-11	WIRE (FLAT TYPE) (13 CORE)			
⚠53	1-590-926-11	CORD, POWER (US,CND)			
⚠54	1-751-529-11	CORD, POWER (UK)			
⚠55	1-696-845-11	CORD, POWER (WE425:AUS)			
⚠56	1-569-007-11	ADAPTOR, CONVERSION 2P (E)			
⚠57	1-558-943-41	CORD, POWER (E)			
⚠58	1-575-651-21	CORD, POWER (AEP,SP,MY/WR681:AUS)			
⚠59	1-782-510-11	CORD, POWER (CH)			
166	1-773-391-11	WIRE (FLAT TYPE) (35 CORE)			
HP1	A-2004-645-A	DECK (A) ASSY, HEAD (PLAYBACK) (DECK A)			
HRPE1	A-2004-646-A	DECK (B) ASSY, HEAD (RECORD/PLAYBACK/ERASE) (DECK B)			
M1001	A-2004-644-A	MOTOR ASSY, CAPSTAN (DECK A)			
M1002	A-2004-644-A	MOTOR ASSY, CAPSTAN (DECK B)			
⚠S902	1-692-155-11	SELECTOR, POWER VOLTAGE (VOLTAGE)			(E,SP,MY)
⚠T901	1-429-387-11	TRANSFORMER, POWER (US,CND)			
⚠T901	1-429-872-11	TRANSFORMER, POWER (AEP,UK,AUS,CH)			
⚠T901	1-431-970-11	TRANSFORMER, POWER (E,SP,MY)			
**********					

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-558-271-11	CORD, CONNECTION (AUDIO)	
	1-777-241-11	CORD, CONNECTION (CONTROL A1) (CND)	
	3-810-765-33	MANUAL, COMMONNESS INSTRUCTION (CONTROL A1) (ENGLISH) (WE425:US,AUS/WE525:UK)	
	3-810-765-43	MANUAL, COMMONNESS INSTRUCTION (CONTROL A1) (ENGLISH,FRENCH,GERMAN, SPANISH,DUTCH,SWEDISH,ITALIAN, PORTUGUESE,CHINESE) (WE425:CND,CH,SP,MY/WE525:AEP)	
	3-862-714-11	MANUAL, INSTRUCTION (ENGLISH) (US,CND,UK,AUS,CH)	
	3-862-714-21	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH,PORTUGUESE) (AEP,E,SP,MY)	
	3-862-714-31	MANUAL, INSTRUCTION (GERMAN,DUTCH, SWEDISH,ITALIAN) (AEP)	
	3-862-714-41	MANUAL, INSTRUCTION (CHINESE) (E,CH,SP,MY)	
	3-862-714-51	MANUAL, INSTRUCTION (ARABIC) (E)	
	3-862-714-61	MANUAL, INSTRUCTION (FRENCH) (CND)	
**********			
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-851-09	SCREW +BVTT 2X4 (S)	
#4	7-685-852-04	SCREW +BVTT 2X5 (S)	
#5	7-685-134-19	SCREW +PTPWH 2.6X8 (TYPE2)	
#6	7-628-254-15	SCREW +PS 2.6X6	
#7	7-623-505-01	LUG, 2	
#8	7-685-850-04	SCREW +BVTT 2X3 (S)	
#9	7-685-851-04	SCREW +BVTT 2X4 (S)	

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